

TEXAS AGRICULTURAL EXPERIMENT STATIONS

BULLETIN NO. 160

JULY, 1913

Division of Chemistry

Commercial Fertilizers in 1912-13



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NOTE.—The main station is located on the grounds of the Agricultural and Mechanical College, in Brazos county. The postoffice address is College Station, Texas. Reports and bulletin are sent upon application to the Director. A postal card will bring these publications.

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†In cooperation with United States Department of Agriculture.

PUBLICATIONS AVAILABLE FOR FREE DISTRIBUTION.

The following is a list of the publications of the Texas Agricultural Experiment Stations available for free distribution. Bulletins not shown on this list are out of print and cannot be supplied.

BULLETINS

- 96. Commercial Fertilizers and Poisonous Insecticides in 1906-07.
- 98. Summary of all Bulletins from 1 to 94, inclusive.
- 100. Chemical Composition of Some Texas Soils.
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- *109. Alfalfa.
- 112. Nature and Uses of Commercial Fertilizers.
- 113. Spray Calendar.
- *114. Composition of White Leads and Paints.
- *115. Fertilizer Test with Onions, at Beeville, Texas.
- 119. Infectious Anaemia of the Horse.
- 124. The Pecan Case Borer.
- 126. Active Acid Phosphoric Acid and Its Relation to the Needs of the Soil for Phosphoric Acid in Pot Experiments.
- 127. Commercial Feeding Stuffs.
- 128. Cottonseed Meal as Human Food.
- 129. Studies of the Ammonia-Soluble Organic Matter of the Soil.
- 132. Cooperative Forage Crop Work.
- 134. Report of the Director of the Establishment of the New State Stations.
- *136. Organic Phosphoric Acid of the Soil.
- 137. Alfalfa in Northwest Texas.
- *138. Cooperative Fertilizer Experiments, 1908, 1909 and 1910.
- *139. (Technical Bulletin.) Electrolysis of Humus Solutions. An Improved Method for the Estimation of Humus.
- *140. Commercial Fertilizers.
- 141. Commercial Feeding Stuffs.
- 144. The Culture of Cigar Leaf Tobacco in Texas.
- 145. Active Potash of the Soil and Its Relation to Pot Experiments.
- *147. Digestion Experiments with Texas Hays and Fodders.
- 148. Report on Experiments with Citrus Fruits at the Beeville Sub-Station.
- 149. Commercial Fertilizers in 1911-12.
- *152. The Heating of Corn Chops.
- 153. A Test of the Relative Values of Cottonseed and Silage, and Cottonseed Meal and Cottonseed Hulls for Fattening Cattle.
- 154. Commercial Feeding Stuffs. (Feed Control Bulletin.)
- 155. The Ether Extract and Chloroform Extract of Soils.
- 156. The Phosphorus Compounds of Cottonseed Meal and Wheat Bran.
- 157. Hog Cholera and Its Prevention.

*Limited supply.

(Continued.)

ANNUAL REPORTS

- 1st, for 1889.
- 2nd, for 1890.
- 4th, for 1892.
- 5th, for 1893.
- 9th, for 1897.
- 10th, for 1898.
- 11th, for 1899.
- 12th, for 1900.
- 13th, for 1901.
- 25th, for 1912.

NOTE.—No Annual Reports published 1902-1911.

PRESS BULLETINS

- "Broom Corn Culture," by A. B. Conner.
- "The Control of Weevils in Corn and Grain," by Wilmon Newell.
- "Treatment of the San Jose Scale," by Wilmon Newell.
- "Treatment for the Melon Louse," by Harper Dean.
- "Sudan Grass," by A. B. Conner.

A postal card will bring any of these publications. Be sure to write your name and address plainly. In asking for publications, the number of the publication is all that is necessary to give.

Requests for change of address should show the *old* address as well as the *new*.

All requests should be directed to "Director of Experiment Stations, College Station, Texas."

Please request bulletins by number, and thus aid us to send you only such bulletins as those in which you are interested.

COMMERCIAL FERTILIZERS IN 1912-13.

G. S. FRAPS, STATE CHEMIST, AND CHEMIST TO EXPERIMENT STATION.

This Bulletin deals with the State control of commercial fertilizers. Information concerning the nature and use of fertilizers is to be found in other bulletins, copies of which will be sent free on application. Bulletin No. 112 deals fully with the nature and use of fertilizers.

The quantity of commercial fertilizers sold in Texas for the last several seasons is as follows:

| | |
|--------------|--------------|
| 1905-06..... | 13,500 tons. |
| 1906-07..... | 19,200 tons. |
| 1907-08..... | 21,850 tons. |
| 1908-09..... | 23,800 tons. |
| 1909-10..... | 34,000 tons. |
| 1910-11..... | 52,985 tons. |
| 1911-12..... | 46,000 tons. |
| 1912-13..... | 75,500 tons. |

FERTILIZER LAW.

The fertilizer law enacted by the Legislature of 1911 went into effect September 1, 1911. The law has proved very satisfactory. No more manufacturer's samples are subjected to analysis, and in their place a larger number of inspection samples have been taken and subjected to analysis.

INFORMATION ON THE BAG.

The guaranteed analysis of the fertilizer must be printed by the manufacturer, either on the bag or on a tag attached to the bag. Consumers of fertilizers can easily examine the bag or tag and ascertain the guaranteed composition of the fertilizer. The information required to be printed on the bag, or tag, is as follows:

Net weight.

Name of fertilizer in full.

Name and address of manufacturer.

Guaranteed analysis:

Available phosphoric acid.....per cent.

Nitrogen.....per cent.

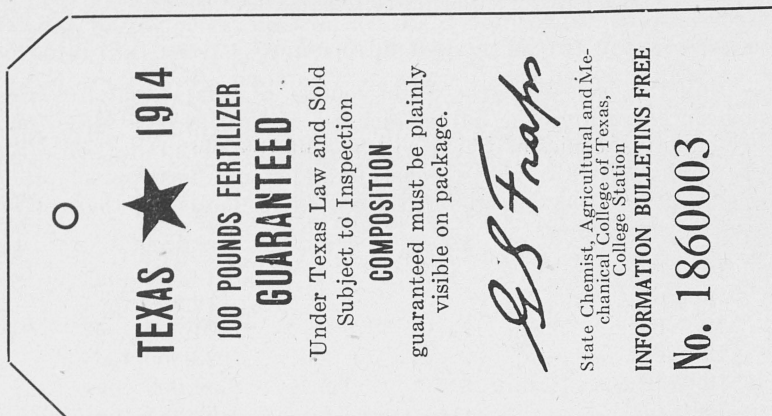
Potash.....per cent.

Total phosphoric acid may be guaranteed in place of available in bone or tankage.

The guaranteed analysis has thus been simplified as much as possible, and the farmer should become familiar with these terms.

FORM OF TAGS.

Every package of fertilizer sold or delivered in this State must have an official tag attached, as evidence that said fertilizer is registered under the law and subject to State Inspection. The following is one of the tags used for the season ending September 1, 1913:



FREE ANALYSES.

Samples of fertilizers sent in for free analysis must be taken as provided by the law. Those who desire a free analysis of a fertilizer should write for a blank "Application for Free Fertilizer Analysis" to the State Chemist, College Station, or they may fill out the application printed below. Samples not taken as required by the law cannot be accepted for analysis.

APPLICATION FOR FREE ANALYSIS OF FERTILIZER.

Section 17. Any person not a dealer in, or agent for, the sale of any fertilizer, who may purchase any commercial fertilizer for his own use within this State and not for sale, may take a sample of same for analysis, which analysis shall be made free of charge by or under the direction of the State Chemist. Said sample or samples of fertilizer shall be taken in the presence of both purchaser and seller. One cupful of the fertilizer shall be taken from the top and one cupful from the bottom of each sack, provided that there are not more than five sacks in the lot, but in lots of ten to one hundred sacks, from not less than five sacks; in lots of one hundred and over from not less than five per cent of the entire number. The samples so taken shall be intermixed upon some surface so as not to mix dirt or any other substance with the fertilizer. After thorough mixing, at least one pound of the material must be put into each of two cans or jars, one of which securely sealed and marked in such a way as to surely identify the sample and show by whom it was sent, but the name of the fertilizer or of the person from whom it was purchased need not be given, and must be forwarded by express, all charges prepaid, to the State Chemist; the other sample, securely sealed, shall be turned over to the company or agent selling same. The purchaser shall also send with the sample a certificate signed by himself and two disinterested witnesses, stating that the sender has purchased the fertilizer for his own use and not for sale, and that the sample was taken in the manner prescribed in this section, and that the sender has in his possession a certificate signed by himself and the two witnesses, giving the name of the fertilizer and

manufacturer thereof as tagged or branded on the package, and will forward the certificate to the State Chemist on receipt of the analysis. Provided, however, that if the person, company or agent shall refuse, decline or neglect to witness the taking of sample, after having been requested or notified by the purchaser in writing six days before so to do, then the sample may be taken in the manner already described in the presence of two disinterested witnesses. Any person having sent a sample for analysis under the provisions of this section who shall, after having received the report of analysis of same, refuse to furnish the required certificate, shall thereafter forfeit the privilege of analysis of fertilizers under this section.

Certificate No.

Analysis No.

I certify that the sample of fertilizer shipped in a sealed jar or can to the State Chemist, College Station, Texas, marked..... was taken from.....sacks, and in accordance with the provisions of Section 17 of the Commercial Fertilizer Act of 1911. I also certify that said fertilizer was purchased for my own use and not for sale, and that I have a certificate signed by myself and the two witnesses whose names are signed below, giving the name of the fertilizer and the manufacturer thereof as tagged or branded on the packages, and will forward this certificate to the State Chemist on receipt of the analysis.

Date.....

Signed.....

Address.....R. F. D. No.....

I certify that the above statements are correct.

.....[Witness]

.....[Witness]

(The following may be detached and retained until you receive the analysis.)

I hereby certify that the sample of commercial fertilizer taken on.....and marked.....was tagged or branded on the package as being manufactured by.....and named.....with a guaranteed analysis ofper cent available phosphoric acid,.....per cent nitrogen and.....per cent potash.

Signed.....

I examined the package of commercial fertilizer described above, and the foregoing statement is correct.

.....[Witness]

.....[Witness]

Certificate No.

INVESTIGATIONS UNDER THE FERTILIZER LAW.

The State Chemist is required by the fertilizer law to "investigate the composition, properties, and agricultural values of fertilizers, or of fertilizer material, or ingredients of fertilizers, sold or offered for sale within the State of Texas, and shall publish his results as he may find." Investigations of this kind have been begun, and the results will be published from time to time as the experiments are completed.

RELATION TO STATION WORK.

The work of the State Chemist is closely related to the chemical work of the Experiment Station. In his capacity as Chemist to the Experiment Station, the State Chemist is carrying out extensive investigations of the chemical composition and properties of Texas soils. He is also making investigations into the fundamental properties of soils, especially with respect to their content of plant food. This work is related closely to the use of fertilizers, and is connected with the investigations as to the agricultural values of fertilizers required by the Fertilizer Control, for these vary in their effect upon different soils.

COOPERATIVE FERTILIZER EXPERIMENTS.

The Chemist of the Experiment Station each year carries out one hundred or more cooperative experiments with fertilizers. Fertilizers are furnished on the condition that the farmer pay the freight, carry out the experiment, report results, and send a sample of soil if requested. Farmers thus have an opportunity to try the effect of fertilizers on their own farms, under competent directions. The results of the experiments are published from time to time, and are valuable, not only to the farmers concerned, but also to other farmers, and to the State at large. By means of the soil analyses, relation is traced between results of the experiments and the needs of different types of soils in various parts of the State. Applications to take part in the experiments should be sent in during November or December. The number of experiments which can be carried out in any one year is, of course, limited.

USE OF FERTILIZERS IN TEXAS.

A map has been prepared showing the localities of the State in which fertilizer is sold. The fertilizer sold in one county is not necessarily used there, as it may be hauled from one county to another, but the map shows very well the distribution of the sale. The sign ° shows that a sale of from 1 to 20 tons. The dot represents a sale of 20 to 250 tons. Where more than one dot is shown, each dot represents a sale of 250 tons, or a major fraction of this quantity. Rusk county leads in fertilizer purchases, as was the case last year. Notable increases in consumption have been shown by other counties.

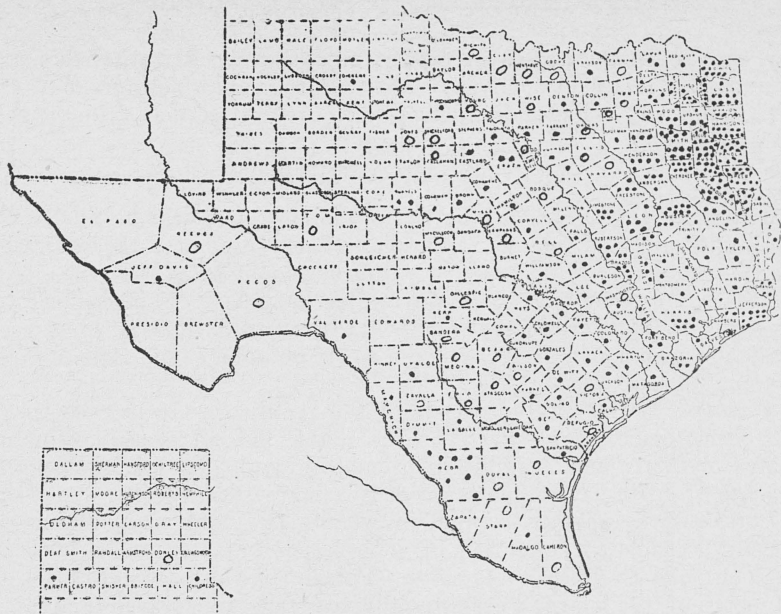


Fig. 1—Map showing distribution of fertilizer sales in Texas. O signifies 1 to 20 tons. One dot • for 20 to 250 tons. Each dot •••, 250 tons or a major fraction.

HOME MIXING.

It is often possible for consumers of fertilizers to save money by purchasing acid phosphate, cottonseed meal, or other fertilizing ingredients, and make their own mixtures. Information concerning this topic is given in Bulletin No. 112 of the Texas Experiment Station.

BULK SALES.

Fertilizer may be sold in bulk by manufacturers direct to consumers for their own use; the tax must, in such case, be paid by the manufacturer. Fertilizer purchased in bulk and then sold or distributed, must be bagged, and must have a tax tag attached to each sack, also a tag showing the guaranteed analysis of the fertilizer. Considerable saving, both in freight and purchase price, may be made by purchasing fertilizer in bulk. For further instructions as to the law concerning bulk sales, address the State Chemist at College Station.

LOW GRADE FERTILIZER.

Purchasers are advised not to buy low grade fertilizers. The words "Low Grade" appear on the sack. The plant food in such fertilizer usually costs much more per pound than in standard grade or high grade goods, although the price per ton or per sack may be a little lower.

ANALYSES BELOW GUARANTEE.

Whenever any lot of fertilizer is below guarantee 4 per cent or more, all persons who have sold this lot of fertilizer must make good the deficiency to all purchasers.

A number of rebates have been made under this provision of the

law, and some few are in process of adjustment. All analyses may be seen in the tables of analysis. Most of the manufacturers have paid the rebates, but some of the dealers have not yet settled with their customers.

EXPLANATION OF TERMS.

Available Acid Phosphate is the phosphoric acid which can be taken up immediately by plants. Phosphoric acid promotes the fruiting of plants, though it is necessary for the development of all parts.

Total Phosphoric Acid is the entire quantity of phosphoric acid present, whether available or not. A guarantee of total in place of available is made in bone, tankage, rock phosphate and Thomas phosphate.

Nitrogen is the total nitrogen in the fertilizer. It is necessary for the development of all parts of the plant, but an excess of nitrogen delays maturity and is liable to promote growth of stalk and leaves at expense of fruit. Nitrogen is needed by many Texas soils.

Potash is the potash soluble in water. A great many Texas soils contain a sufficient quantity of potash, so that its use in fertilizers on such soils is a useless expense. Potash, like nitrogen, is needed by all parts of the plant, but especially by stalk and leaves, and an excess of potash delays maturity and is liable to promote growth of stalk and leaves at the expense of fruit.

Valuation per ton represents the cost of the plant food in the un-mixed raw material, at retail, in large markets. It is not the price at which the fertilizer is sold. The selling price includes cost of mixing, sacks, transportation, and manufacturers' and dealers' profits.

FERTILIZER VALUATIONS, 1912-13.

The following valuations were adopted for the plant food in commercial fertilizers sold in Texas for the season 1912-13:

| | Cents per pound. |
|--|------------------|
| Available Phosphoric Acid..... | 6 |
| Total Phosphoric Acid in tankage and bone..... | 4 |
| Nitrogen in mixed fertilizers, bat guano..... | 20 |
| Nitrogen in bone and tankage..... | 19 |
| Potash | 6 |

ANALYSIS OF FERTILIZERS, 1912-13.

Table 1 contains a list of all samples of fertilizers subjected to analysis in the season September 1, 1912, to date. The table gives the name and address of the manufacturer, the name of the brand, the guaranteed analysis, the analysis found, and the place where sampled. Analyses below guarantee are brought out in heavy type. Practically all the samples were collected by inspectors of this Department. Analyses and inspection were made by Messrs. S. E. Asbury, T. L. Ogier, J. C. Summers, H. A. Freeman and H. B. Spaulding.

REGISTRATION, 1912-13.

A list of brands registered for sale in the season 1912-13 is given in Table 2. Many of the brands so registered were sold only in lots of a few sacks, or were not sold at all in the State.

Table I.—Analyses of Commercial Fertilizers, Season of 1912-1913.

| Laboratory Number. | Manufacturer, Place of Business and Brand. | Phosphoric Acid—Available Per Cent. | Nitrogen—Per Cent. | Potash—Per Cent. | Valuation. |
|--|---|-------------------------------------|--------------------|------------------|------------|
| Arkansas Fertilizer Co., Little Rock, Ark.— | | | | | |
| 24858 | White Diamond High Grade Acid Phosphate—Guarantee | 14.00 | ..... | ..... | \$16.80 |
| | Analysis..... | 16.39 | ..... | ..... | 19.67 |
| 25068 | White Diamond High Grade Cotton Fertilizer—Guarantee | 10.00 | 2.00 | 2.50 | 23.00 |
| | Analysis..... | 11.19 | 1.84 | 2.27 | 23.51 |
| 25036 | White Diamond High Grade Early Potato Trucker—Guarantee | 8.00 | 2.47 | 4.00 | 24.28 |
| | Analysis..... | 9.29 | 2.46 | 4.46 | 26.34 |
| 24782 | White Diamond Standard Grade Southern Special—Guarantee | 10.00 | 1.65 | 1.50 | 20.40 |
| | Analysis..... | 10.47 | 1.80 | 1.92 | 22.06 |
| 24873 | White Diamond Standard Grade Texas Special—Guarantee | 10.00 | 1.65 | 1.00 | 19.80 |
| | Analysis..... | 10.17 | 1.98 | 1.66 | 22.11 |
| 24924 | Analysis..... | 10.66 | 1.65 | 1.40 | 21.06 |
| 25033 | Analysis..... | 11.11 | 1.89 | 1.48 | 22.67 |
| 25034 | Analysis..... | 11.48 | 1.84 | 1.57 | 23.02 |
| 25049 | Analysis..... | 10.77 | 1.68 | 1.54 | 21.49 |
| 25058 | Analysis..... | 11.66 | 1.46 | 1.39 | 21.50 |
| 24833 | White Diamond Twentieth Century Fertilizer—Guarantee | 9.00 | 1.65 | 2.00 | 19.80 |
| | Analysis..... | 10.42 | 1.52 | 2.20 | 21.22 |
| 24861 | Analysis..... | 10.53 | 1.73 | 2.04 | 22.01 |
| Armour Fertilizer Works, Fort Worth, Texas— | | | | | |
| 24531 | Armour's Special Cabbage Grower—Guarantee | 8.00 | 1.65 | 3.00 | 19.80 |
| | Analysis..... | 8.28 | 1.98 | 3.50 | 22.06 |
| 24922 | Armour's Cotton and Corn Grower—Guarantee | 10.00 | 1.82 | 1.00 | 16.48 |
| | Analysis..... | 7.60 | 1.36 | 1.00 | 15.76 |
| 24938 | Analysis..... | 9.94 | 1.09 | 1.09 | 17.60 |
| | Armour's Cottonseed Meal Special—Guarantee | 10.00 | 1.65 | 1.50 | 20.40 |
| 24578 | Analysis..... | 10.32 | 1.44 | 1.63 | 20.10 |
| 24642 | Analysis..... | 9.98 | 2.07 | 1.56 | 22.13 |
| 24844 | Analysis..... | 10.83 | 1.82 | 1.60 | 22.20 |
| 24847 | Analysis..... | 10.00 | 1.96 | 1.24 | 21.33 |
| 24916 | Analysis..... | 10.72 | 1.80 | 1.83 | 22.26 |
| 25080 | Analysis..... | 10.57 | 1.94 | 1.68 | 22.48 |
| 25088 | Analysis..... | 10.31 | 1.73 | 1.53 | 21.13 |
| 25016 | Analysis..... | 9.09 | 1.94 | 1.64 | 20.64 |
| 24659 | Analysis..... | 10.19 | 1.70 | 1.68 | 21.05 |
| 25081 | Armour's 14 Per Cent Shield Phosphate—Guarantee | 14.00 | ..... | ..... | 16.80 |
| | Analysis..... | 14.65 | ..... | ..... | 17.58 |
| 25145 | Analysis..... | 15.22 | ..... | ..... | 18.26 |
| 24564 | Armour's King Cotton—Guarantee | 8.00 | 1.65 | 2.00 | 18.60 |
| | Analysis..... | 8.45 | 1.68 | 1.58 | 18.76 |
| 24662 | Analysis..... | 7.84 | 1.78 | 1.75 | 18.63 |
| 24703 | Analysis..... | 7.55 | 1.66 | 2.44 | 18.63 |
| 24709 | Analysis..... | 8.02 | 1.87 | 1.80 | 19.26 |
| 24768 | Analysis..... | 7.96 | 1.87 | 1.98 | 19.41 |
| 24896 | Analysis..... | 8.19 | 1.74 | 2.20 | 19.43 |
| 25069 | Analysis..... | 8.83 | 1.90 | 2.23 | 20.88 |
| 25144 | Analysis..... | 8.15 | 1.88 | 2.03 | 19.66 |
| 25020 | Analysis..... | 8.32 | 1.81 | 2.10 | 19.74 |
| 24528 | Armour's Onion Fertilizer No. 1—Guarantee | 8.00 | 3.29 | 8.00 | 32.36 |
| | Analysis..... | 7.97 | 3.24 | 9.32 | 33.70 |
| 24530 | Analysis..... | 6.97 | 2.68 | 6.80 | 27.24 |
| 24536 | Analysis..... | 8.30 | 3.35 | 8.40 | 33.44 |
| 24538 | Analysis..... | 8.26 | 3.30 | 9.13 | 34.07 |
| 24543 | Armour's Onion Fertilizer No. 2—Guarantee | 8.00 | 2.47 | 4.00 | 24.28 |
| | Analysis..... | 7.57 | 2.48 | 5.17 | 25.20 |
| 24537 | Armour's Onion Fertilizer No. 3—Guarantee | 8.00 | 3.29 | 6.00 | 29.96 |
| | Analysis..... | 7.78 | 3.19 | 6.89 | 30.37 |
| 24540 | Armour's Onion Fertilizer No. 4—Guarantee | 3.00 | 4.11 | 5.00 | 26.04 |
| | Analysis..... | 3.14 | 4.00 | 4.38 | 25.65 |
| 24525 | Armour's Onion Fertilizer No. 5—Guarantee | 3.00 | 4.94 | 3.00 | 26.36 |
| | Analysis..... | 3.31 | 4.69 | 3.40 | 26.81 |
| 24526 | Analysis..... | 3.55 | 5.05 | 4.20 | 29.50 |
| 24523 | Armour's Onion Fertilizer No. 6—Guarantee | 4.00 | 4.94 | 7.00 | 32.96 |
| | Analysis..... | 4.18 | 5.13 | 7.66 | 34.73 |
| 24534 | Armour's Onion Fertilizer No. 7—Guarantee | 6.00 | 3.29 | 3.00 | 23.96 |
| | Analysis..... | 6.48 | 3.38 | 2.88 | 24.76 |

Table I.—Analyses of Commercial Fertilizers, Season of 1912-1913.

| Laboratory Number | Manufacturer, Place of Business and Brand. | Phosphoric Acid—Available Per Cent. | Nitrogen—Per Cent. | Potash—Per Cent. | Valuation. |
|-------------------|--|-------------------------------------|--------------------|------------------|------------|
| | Armour Fertilizer Works, Fort Worth, Texas—continued. | | | | |
| | Armour's Union Fertilizer No. 9—Guarantee | 10.00 | 2.47 | 6.00 | \$29.08 |
| 24522 | Analysis | 9.96 | 2.33 | 5.98 | 28.45 |
| 24541 | Analysis | 10.03 | 2.31 | 5.78 | 28.22 |
| | Armour's Phosphate and Potash No. 104—Guarantee | 10.00 | | 4.00 | 16.80 |
| 24979 | Analysis | 10.81 | | 3.73 | 17.45 |
| 25147 | Analysis | 10.75 | | 4.48 | 18.28 |
| 25000 | Analysis | 10.60 | | 4.20 | 17.76 |
| | Armour's Raw Bone Meal—Guarantee | *22.00 | 3.70 | | 32.40 |
| 24604 | Analysis | *23.45 | 3.87 | | 34.24 |
| | Armour's Soluble Bone and Potash—Guarantee | 10.00 | | 4.00 | 16.80 |
| 24539 | Analysis | 10.71 | | 2.51 | 15.86 |
| | Armour's Raw Bone Superphosphate with Potash—Guarantee | 9.50 | 1.65 | 1.50 | 19.80 |
| 24714 | Analysis | 9.40 | 2.02 | 1.49 | 21.15 |
| | Armour's Rice Grower—Guarantee | 12.00 | | 2.00 | 16.80 |
| 24964 | Analysis | 12.35 | | 2.33 | 17.62 |
| 25005 | Analysis | 11.16 | | 2.22 | 16.05 |
| | Armour's Sandy High Land Special—Guarantee | 10.00 | 1.65 | 1.50 | 20.40 |
| 24943 | Analysis | 9.41 | 1.97 | 1.34 | 20.78 |
| | Armour's 16 Per Cent Star Phosphate—Guarantee | 16.00 | | | 19.20 |
| 24645 | Analysis | 15.72 | | | 18.86 |
| 24855 | Analysis | 16.49 | | | 19.79 |
| 25008 | Analysis | 16.16 | | | 19.39 |
| | Armour's Special Texas Formula—Guarantee | 10.00 | 1.65 | 2.00 | 21.00 |
| 24856 | Analysis | 10.19 | 2.02 | 1.95 | 22.65 |
| 25015 | Analysis | 8.79 | 1.87 | 2.22 | 20.69 |
| | Armour's Truck Special—Guarantee | 7.00 | 4.11 | 6.00 | 32.04 |
| 25071 | Analysis | 7.20 | 3.34 | 5.24 | 28.29 |
| | Armour's Truck Special No. 2—Guarantee | 8.00 | 1.65 | 3.00 | 19.80 |
| 24629 | Analysis | 7.19 | 1.69 | 3.28 | 19.33 |
| 24892 | Analysis | 7.45 | 1.88 | 2.41 | 19.35 |
| | Armour's Kainit—Guarantee | | | 12.00 | 14.40 |
| 25146 | Analysis | | | 19.53 | 23.44 |
| | Armour's Vegetable Grower—Guarantee | 9.00 | 2.05 | 3.00 | 22.60 |
| 24566 | Analysis | 8.89 | 2.02 | 2.66 | 21.94 |
| 24634 | Analysis | 8.07 | 2.05 | 3.34 | 21.93 |
| 24893 | Analysis | 7.84 | 2.02 | 2.47 | 20.45 |
| 24897 | Analysis | 9.21 | 2.06 | 2.61 | 22.42 |
| 25043 | Analysis | 8.29 | 2.35 | 3.30 | 23.31 |
| | Nitrate of Soda—Guarantee | | 14.81 | | 59.24 |
| 24524 | Analysis | | 13.93 | | 55.72 |
| 24527 | Analysis | | 14.88 | | 59.52 |
| 24529 | Analysis | | 14.41 | | 57.64 |
| | Geo. L. Barber, Jacksonville, Texas— | | | | |
| | Barber's 14 Per Cent Phosphate—Guarantee | 14.00 | | | 16.80 |
| 24580 | Analysis | 14.43 | | | 17.32 |
| 24721 | Analysis | 14.35 | | | 17.22 |
| | Barber's 16 Per Cent Phosphate—Guarantee | 16.00 | | | 19.20 |
| 24579 | Analysis | 16.15 | | | 19.38 |
| | Bowie County Cotton Oil Co., New Boston, Texas— | | | | |
| | Bowie Acid Phosphate—Guarantee | 16.00 | | | 19.20 |
| 24800 | Analysis | 16.88 | | | 20.26 |
| | Bowie Cottonseed Meal—Guarantee | 2.00 | 7.00 | | 30.40 |
| 24787 | Analysis | 2.67 | 7.62 | | 33.68 |
| | Bowie Kainit—Guarantee | | | 12.00 | 14.40 |
| 24806 | Analysis | | | 12.28 | 14.74 |
| | Bryan Cotton Oil and Fertilizer Co., Bryan, Texas— | | | | |
| | Star Brand Acid Phosphate—Guarantee | 14.00 | | | 16.80 |
| 24663 | Analysis | 15.75 | | | 18.90 |
| | Star Brand Cotton and Corn—Guarantee | 11.50 | 1.80 | | 21.00 |
| 24660 | Analysis | 12.21 | 2.22 | | 23.53 |
| 24764 | Analysis | 12.14 | 1.73 | | 21.49 |
| 24929 | Analysis | 12.39 | 1.92 | | 22.55 |
| 24940 | Analysis | 12.23 | 2.08 | | 23.00 |
| 25109 | Analysis | 12.52 | 1.69 | | 21.78 |
| | Star Brand Cotton Fertilizer—Guarantee | 10.00 | 1.80 | 2.00 | 21.60 |
| 24668 | Analysis | 10.33 | 2.33 | 1.74 | 23.81 |
| 24752 | Analysis | 10.17 | 1.70 | 2.38 | 22.22 |

*Total.

Table I.—Analyses of Commercial Fertilizers, Season of 1912-1913.

| Laboratory Number. | Manufacturer, Place of Business and Brand. | Phosphoric Acid—Available Per Cent. | Nitrogen—Per Cent. | Potash—Per Cent. | Valuation. |
|--|--|-------------------------------------|--------------------|------------------|------------|
| Bryan Oil and Fertilizer Co., Bryan, Texas—continued. | | | | | |
| 24766 | Star Brand Phosphate Special—Guarantee. | 11.00 | 2.00 | ..... | \$21.20 |
| | Analysis. | 12.14 | 2.47 | ..... | 24.45 |
| 24664 | Star Brand Potato Fertilizer—Guarantee. | 8.00 | 3.50 | ..... | 23.60 |
| 24763 | Analysis. | 9.50 | 3.58 | ..... | 25.73 |
| | Analysis. | 8.28 | 3.90 | ..... | 25.35 |
| Carthage Fertilizer Co., Carthage, Texas— | | | | | |
| 24906 | Carthage Acid Phosphate—Guarantee. | 16.00 | ..... | ..... | 19.20 |
| | Analysis. | 16.45 | ..... | ..... | 19.74 |
| 25119 | Carthage Corn Special—Guarantee. | 9.00 | 2.00 | 1.75 | 20.90 |
| | Analysis. | 9.14 | 2.23 | 1.81 | 22.06 |
| 24831 | Carthage Corn and Cotton Grower—Guarantee. | 10.00 | 1.65 | 1.00 | 19.80 |
| 24914 | Analysis. | 10.15 | 1.75 | 1.55 | 20.72 |
| 25130 | Analysis. | 10.40 | 1.78 | 1.31 | 20.73 |
| | Analysis. | 10.98 | 1.67 | 1.02 | 21.52 |
| 24900 | Carthage Triumph—Guarantee. | 10.00 | 1.65 | 1.00 | 19.80 |
| | Analysis. | 10.07 | 1.70 | 1.32 | 20.46 |
| Consumer's Fertilizer Co., Shreveport, La.— | | | | | |
| 24586 | Tri-State Acid Phosphate—Guarantee. | 16.00 | ..... | ..... | 19.20 |
| 24827 | Analysis. | 16.61 | ..... | ..... | 19.93 |
| | Analysis. | 13.74 | ..... | ..... | 16.49 |
| 24584 | Tri-State Corn—Guarantee. | 7.50 | 2.90 | 1.00 | 21.80 |
| 24825 | Analysis. | 10.11 | 1.89 | 1.31 | 21.26 |
| | Analysis. | 8.71 | 2.32 | 1.34 | 21.34 |
| 24672 | Tri-State Cotton—Guarantee. | 9.50 | 1.85 | 1.00 | 20.00 |
| 24821 | Analysis. | 10.05 | 2.02 | 1.22 | 21.60 |
| | Analysis. | 9.92 | 2.13 | 1.26 | 21.93 |
| 24583 | Tri-State Special—Guarantee. | 11.00 | 2.67 | 1.00 | 25.08 |
| | Analysis. | 11.79 | 2.21 | 1.32 | 24.57 |
| 24980 | Three State Cotton A—Guarantee. | 10.00 | 1.65 | 1.00 | 19.80 |
| | Analysis. | 9.71 | 1.88 | 1.48 | 20.95 |
| East Texas Fertilizer Co., Tyler, Texas— | | | | | |
| 24673 | East Texas Corn and Cotton Grower—Guarantee. | 8.00 | 2.00 | 2.00 | 20.00 |
| 24884 | Analysis. | 7.94 | 2.11 | 2.60 | 21.09 |
| 24887 | Analysis. | 9.20 | 2.06 | 2.10 | 21.91 |
| 24890 | Analysis. | 9.71 | 2.02 | 2.05 | 22.19 |
| 25066 | Analysis. | 9.81 | 2.10 | 1.59 | 22.08 |
| 25072 | Analysis. | 8.93 | 2.33 | 2.04 | 22.49 |
| | Analysis. | 10.28 | 2.15 | 1.27 | 22.46 |
| 24683 | East Texas Crop Grower—Guarantee. | 8.00 | 3.00 | 3.00 | 25.20 |
| 24879 | Analysis. | 9.18 | 3.36 | 2.57 | 27.54 |
| | Analysis. | 9.08 | 3.02 | 2.88 | 26.43 |
| 24828 | 14 Per Cent Phosphate—Guarantee. | 14.00 | ..... | ..... | 16.80 |
| | Analysis. | 15.44 | ..... | ..... | 18.53 |
| 24544 | 16 Per Cent Acid Phosphate—Guarantee. | 16.00 | ..... | ..... | 19.20 |
| 24678 | Analysis. | 18.10 | ..... | ..... | 21.72 |
| 24878 | Analysis. | 16.52 | ..... | ..... | 19.82 |
| 24889 | Analysis. | 17.35 | ..... | ..... | 20.82 |
| | Analysis. | 16.79 | ..... | ..... | 20.15 |
| 24674 | Wiley Corn and Cotton—Guarantee. | 10.00 | 2.00 | 2.00 | 21.00 |
| 24891 | Analysis. | 9.78 | 2.41 | 1.87 | 23.60 |
| | Analysis. | 10.54 | 1.98 | 1.87 | 22.81 |
| 24670 | Wiley Tomato Special—Guarantee. | 9.00 | 2.80 | ..... | 22.00 |
| 24881 | Analysis. | 10.05 | 2.70 | ..... | 22.86 |
| | Analysis. | 9.72 | 3.06 | ..... | 23.90 |
| Farmers and Ginners Cotton Oil Co., Sulphur Springs, Texas— | | | | | |
| 24814 | Acid Phosphate—Guarantee. | 14.00 | ..... | ..... | 16.80 |
| | Analysis. | 14.85 | ..... | ..... | 17.82 |
| Farmers Oil and Fertilizer Co., Texarkana, Texas— | | | | | |
| 24799 | Farmers Acid Phosphate—Guarantee. | 14.00 | ..... | ..... | 16.80 |
| 25050 | Analysis. | 16.04 | ..... | ..... | 19.25 |
| | Analysis. | 15.70 | ..... | ..... | 18.84 |
| 24807 | Farmer's Corn Fertilizer—Guarantee. | 8.00 | 1.65 | 3.00 | 19.80 |
| 24811 | Analysis. | 8.73 | 2.19 | 2.97 | 22.80 |
| 25093 | Analysis. | 8.24 | 1.72 | 3.59 | 21.03 |
| 24771 | Analysis. | 8.20 | 1.80 | 3.54 | 21.29 |
| | Analysis. | 9.00 | 1.80 | 3.42 | 22.10 |

Table I.—Analyses of Commercial Fertilizers, Season of 1912-1913.

| Laboratory Number. | Manufacturer, Place of Business and Brand. | Phosphoric Acid Available Per Cent. | Nitrogen—Per Cent. | Potash—Per Cent. | Valuation. |
|--------------------|--|-------------------------------------|--------------------|------------------|------------|
| | Farmers Oil and Fertilizer Co., Texarkanana, Texas—continued. | | | | |
| | Farmer's Cotton Fertilizer—Guarantee..... | 9.00 | 1.65 | 2.00 | \$19.80 |
| 24777 | Analysis..... | 9.95 | 1.64 | 2.38 | 21.46 |
| 24785 | Analysis..... | 9.01 | 1.84 | 2.49 | 21.16 |
| 24802 | Analysis..... | 9.89 | 1.87 | 2.30 | 22.11 |
| 24808 | Analysis..... | 10.36 | 1.85 | 2.17 | 22.43 |
| 24810 | Analysis..... | 10.11 | 2.02 | 2.32 | 22.99 |
| 25048 | Analysis..... | 10.70 | 1.68 | 2.26 | 22.27 |
| 25062 | Analysis..... | 10.14 | 1.82 | 2.27 | 22.17 |
| 25091 | Analysis..... | 9.82 | 1.68 | 2.72 | 21.76 |
| 25092 | Analysis..... | 11.28 | 1.55 | 1.90 | 22.02 |
| | Farmer's Cotton Fruiter—Guarantee..... | 10.00 | .83 | 1.00 | 16.52 |
| 24779 | Analysis..... | 9.71 | .97 | 1.41 | 17.22 |
| 24781 | Analysis..... | 10.79 | 1.12 | 1.37 | 19.07 |
| 25063 | Analysis..... | 11.71 | .86 | .94 | 18.62 |
| | Farmer's Fruit Maker—Guarantee..... | 10.00 | ..... | 4.00 | 16.80 |
| 24793 | Analysis..... | 10.26 | ..... | 3.88 | 16.97 |
| 25083 | Analysis..... | 12.06 | ..... | 3.07 | 19.23 |
| | Farmer's High Grade Acid Phosphate—Guarantee..... | 16.00 | ..... | ..... | 19.20 |
| 24783 | Analysis..... | 17.67 | ..... | ..... | 21.20 |
| | Farmer's Nitrate of Soda—Guarantee..... | ..... | 14.96 | ..... | 59.84 |
| 25084 | Analysis..... | ..... | 15.02 | ..... | 60.08 |
| | Farmer's Truck Fertilizer—Guarantee..... | 8.00 | 2.47 | 4.00 | 24.28 |
| 24773 | Analysis..... | 8.47 | 2.58 | 4.29 | 25.63 |
| 24803 | Analysis..... | 10.19 | 2.48 | 4.45 | 27.49 |
| 24815 | Analysis..... | 10.38 | 2.56 | 4.13 | 27.66 |
| 25064 | Analysis..... | 10.80 | 2.38 | 3.79 | 27.03 |
| | Federal Chemical Co., Columbia, Tenn.— | | | | |
| | Tennessee Brown Phosphate Rock—Guarantee..... | *29.75 | ..... | ..... | 23.80 |
| 24797 | Analysis..... | *30.65 | ..... | ..... | 24.52 |
| 24971 | Analysis..... | *30.00 | ..... | ..... | 24.00 |
| | Fidelity Chemical Corporation, Houston, Texas— | | | | |
| | Fidelity Ammoniated Superphosphate with Potash—Guarantee..... | 10.00 | 1.65 | 1.00 | 19.80 |
| 24548 | Analysis..... | 10.05 | 1.88 | 1.32 | 21.16 |
| 24638 | Analysis..... | 8.92 | 1.66 | .86 | 18.37 |
| 24667 | Analysis..... | 10.85 | 1.48 | 1.15 | 22.36 |
| 24882 | Analysis..... | 10.30 | 1.49 | .90 | 19.40 |
| 24931 | Analysis..... | 9.17 | 2.07 | 1.19 | 20.71 |
| 25051 | Analysis..... | 10.39 | 1.68 | 1.01 | 20.40 |
| | Fidelity Cereal Cultivator—Guarantee..... | 6.50 | 2.47 | 1.00 | 18.88 |
| 24546 | Analysis..... | 6.41 | 2.46 | 1.15 | 18.91 |
| 24720 | Analysis..... | 7.99 | 2.31 | 1.10 | 20.15 |
| 24732 | Analysis..... | 7.50 | 2.88 | 1.24 | 22.01 |
| 24744 | Analysis..... | 6.79 | 2.47 | 1.48 | 19.82 |
| 24757 | Analysis..... | 8.33 | 2.03 | 1.12 | 19.46 |
| 24941 | Analysis..... | 8.11 | 2.73 | 1.10 | 21.97 |
| 25118 | Analysis..... | 7.15 | 2.38 | 1.41 | 19.79 |
| 25023 | Analysis..... | 6.76 | 2.44 | 1.26 | 19.38 |
| | Fidelity Cotton Special—Guarantee..... | 10.00 | 1.65 | 2.00 | 21.00 |
| 24723 | Analysis..... | 9.86 | 1.74 | 2.15 | 21.37 |
| 24734 | Analysis..... | 9.47 | 1.68 | 2.25 | 20.78 |
| 24736 | Analysis..... | 10.51 | 1.90 | 2.27 | 22.93 |
| 24974 | Analysis..... | 10.19 | 1.74 | 2.24 | 21.88 |
| 25097 | Analysis..... | 9.27 | 1.66 | 2.35 | 20.63 |
| 25111 | Analysis..... | 9.01 | 1.78 | 2.49 | 20.92 |
| 25122 | Analysis..... | 9.76 | 1.90 | 2.33 | 22.11 |
| | Fidelity Cotton Special No. 2—Guarantee..... | 10.00 | 1.65 | 1.50 | 20.40 |
| 24710 | Analysis..... | 10.38 | 1.64 | 1.52 | 20.84 |
| 24823 | Analysis..... | 10.11 | 1.87 | 1.66 | 21.60 |
| 24921 | Analysis..... | 9.59 | 1.74 | 1.57 | 20.35 |
| 25116 | Analysis..... | 10.12 | 1.78 | 1.76 | 21.37 |
| 25007 | Analysis..... | 8.80 | 2.07 | 1.57 | 21.92 |
| | Fidelity Cotton Standard—Guarantee..... | 8.00 | 2.06 | 1.50 | 19.64 |
| 24551 | Analysis..... | 8.20 | 2.31 | 1.75 | 21.18 |
| 24633 | Analysis..... | 7.00 | 2.20 | 1.38 | 19.10 |
| 24711 | Analysis..... | 8.25 | 2.04 | 1.99 | 20.45 |
| 24719 | Analysis..... | 8.41 | 2.02 | 1.79 | 20.32 |
| 24733 | Analysis..... | 8.48 | 2.07 | 1.69 | 20.49 |
| 24835 | Analysis..... | 8.24 | 2.14 | 1.70 | 20.49 |

*Total.

Table I.—Analyses of Commercial Fertilizers, Season of 1912-1913.

| Laboratory Number | Manufacturer, Place of Business and Brand. | Phosphoric Acid—Available Per Cent. | Nitrogen—Per Cent. | Potash—Per Cent. | Valuation. |
|-------------------|--|-------------------------------------|--------------------|------------------|--------------|
| | Fidelity Chemical Corporation, Houston, Texas—cont'd. Fidelity Cotton Standard—Guarantee—continued. | | | | |
| 24939 | Analysis..... | 9.92 | 2.04 | 1.48 | \$21.84 |
| 25101 | Analysis..... | 6.94 | 2.45 | 1.85 | 20.35 |
| 25117 | Analysis..... | 8.42 | 2.12 | 1.67 | 20.58 |
| 24997 | Analysis..... | 8.07 | 2.18 | 1.60 | 20.32 |
| | Fidelity 14 Per Cent Phosphate—Guarantee..... | 14.00 | | | 16.80 |
| 24549 | Analysis..... | 13.59 | | | 16.31 |
| 24724 | Analysis..... | 14.72 | | | 17.66 |
| | Fidelity Kainit—Guarantee..... | | | 12.00 | 14.40 |
| 24725 | Analysis..... | | | 13.72 | 16.46 |
| | Fidelity Lone Star Special—Guarantee..... | 10.00 | 1.65 | 6.00 | 25.80 |
| 24717 | Analysis..... | 9.88 | 1.67 | 6.06 | 25.81 |
| | Fidelity Muriate of Potash—Guarantee..... | | | 50.00 | 60.00 |
| 24609 | Analysis..... | | | 50.54 | 60.65 |
| 24637 | Analysis..... | | | 50.71 | 60.85 |
| | Fidelity Nitrate of Soda—Guarantee..... | | 15.00 | | 60.00 |
| 24643 | Analysis..... | | 15.30 | | 61.20 |
| | Fidelity Peerless Trucker—Guarantee..... | 8.00 | 2.47 | 5.00 | 25.48 |
| 24600 | Analysis..... | 8.50 | 2.36 | 5.19 | 25.87 |
| | Fidelity Potato Special—Guarantee..... | 7.00 | 2.06 | 3.00 | 20.24 |
| 24545 | Analysis..... | 7.57 | 1.96 | 3.31 | 20.89 |
| 24716 | Analysis..... | 8.12 | 2.10 | 2.62 | 21.28 |
| 24836 | Analysis..... | 7.41 | 2.22 | 2.80 | 21.13 |
| | Fidelity Regal Compound—Guarantee..... | 10.00 | | 4.00 | 16.80 |
| 24603 | Analysis..... | 9.79 | | 4.62 | 17.29 |
| 24722 | Analysis..... | 9.21 | | 4.88 | 16.91 |
| 24917 | Analysis..... | 8.70 | | 4.92 | 16.34 |
| 24973 | Analysis..... | 8.92 | | 2.62 | 13.84 |
| 24987 | Analysis..... | 10.23 | | 3.94 | 17.01 |
| 25045 | Analysis..... | 8.96 | | 4.03 | 15.59 |
| | Fidelity 16 Per Cent Acid Phosphate—Guarantee..... | 16.00 | | | 19.20 |
| 24547 | Analysis..... | 16.37 | | | 19.74 |
| 24639 | Analysis..... | 14.53 | | | 17.44 |
| 24737 | Analysis..... | 16.63 | | | 19.96 |
| 25098 | Analysis..... | 15.52 | | | 18.62 |
| 25128 | Analysis..... | 13.68 | | | 16.42 |
| 25039 | Analysis..... | 15.01 | | | 18.01 |
| | Fidelity Strawberry Special—Guarantee..... | 6.00 | 2.47 | 5.00 | 23.08 |
| 24601 | Analysis..... | 6.27 | 2.24 | 4.65 | 22.06 |
| 24608 | Analysis..... | 6.34 | 2.50 | 5.51 | 24.22 |
| 24754 | Analysis..... | 6.17 | 2.52 | 4.03 | 22.32 |
| 24972 | Analysis..... | 6.95 | 2.31 | 4.86 | 23.41 |
| 25052 | Analysis..... | 9.13 | 1.94 | 6.45 | 26.44 |
| | Fidelity Truck Grower—Guarantee..... | 8.00 | 2.47 | 8.00 | 29.08 |
| 24550 | Analysis..... | 8.44 | 2.50 | 7.60 | 29.15 |
| 24602 | Analysis..... | 8.36 | 2.41 | 7.95 | 29.21 |
| 25110 | Analysis..... | 8.59 | 2.04 | 5.83 | 25.47 |
| | Hillje Bros., Weimer, Texas— | | | | |
| | Weimar Cotton Producer—Guarantee..... | 10.25 | 2.75 | | 23.30 |
| 24727 | Analysis..... | 10.23 | 3.00 | | 24.28 |
| | Houston Cotton Oil Mill and Mfg. Co., Crockett, Texas— | | | | |
| | Crockett Cereal Standard—Guarantee..... | 8.00 | 2.26 | 2.00 | 21.04 |
| 24569 | Analysis..... | 8.50 | 2.19 | 2.19 | 21.59 |
| 24731 | Analysis..... | 8.55 | 2.13 | 2.39 | 21.55 |
| 25108 | Analysis..... | 8.83 | 2.26 | 1.85 | 21.86 |
| 25012 | Analysis..... | 8.35 | 2.33 | 2.74 | 22.63 |
| 25019 | Analysis..... | 8.35 | 2.26 | 2.37 | 21.90 |
| | Crockett Cotton Standard—Guarantee..... | 10.00 | 2.05 | 1.75 | 22.30 |
| 25030 | Analysis..... | 10.47 | 2.10 | 2.10 | 23.48 |
| | Crockett 14 Per Cent Acid Phosphate—Guarantee..... | 14.00 | | | 16.80 |
| 24562 | Analysis..... | 14.46 | | | 17.35 |
| 24730 | Analysis..... | 14.81 | | | 17.74 |
| 25017 | Analysis..... | 16.61 | | | 16.99 |
| | Crockett Imperial Fruiter—Guarantee..... | 10.00 | 1.15 | 2.00 | 19.00 |
| 24571 | Analysis..... | 410.54 | .94 | 2.64 | 19.58 |
| 25114 | Analysis..... | 10.08 | 1.14 | 2.16 | 19.25 |
| 24999 | Analysis..... | 10.24 | 1.02 | 2.35 | 19.19 |
| | Crockett Onion Grower—Guarantee..... | 5100 | 5.75 | 5.30 | 35.38 |
| 25113 | Analysis..... | 6.31 | 5.35 | 5.92 | 36.08 |

Table I.—Analyses of Commercial Fertilizers, Season of 1912-1933.

| Laboratory Number. | Manufacturer, Place of Business and Brand. | Phosphoric Acid—Available Per Cent. | Nitrogen—Per Cent. | Potash—Per Cent. | Valuation. |
|--------------------|---|-------------------------------------|--------------------|------------------|------------|
| | Houston Cotton Oil Mill and Mfg. Co., Crockett, Texas—continued. | | | | |
| | Crockett Phosphate Special—Guarantee..... | 11.00 | 1.23 | 1.00 | \$19.32 |
| 24576 | Analysis..... | 11.78 | 1.30 | .97 | 20.50 |
| 25006 | Analysis..... | 11.29 | 1.50 | 1.24 | 21.04 |
| | Crockett Planter's Triumph—Guarantee..... | 8.60 | 2.04 | 2.10 | 21.00 |
| 24572 | Analysis..... | 8.87 | 2.32 | 3.02 | 23.54 |
| | Crockett 16 Per Cent Acid Phosphate—Guarantee..... | 16.00 | ..... | ..... | 19.20 |
| 24567 | Analysis..... | 16.03 | ..... | ..... | 19.24 |
| 24729 | Analysis..... | 16.60 | ..... | ..... | 19.92 |
| | Crockett Special Mixture—Guarantee..... | 10.60 | 1.76 | 1.10 | 21.08 |
| 24568 | Analysis..... | 11.47 | 1.90 | 1.12 | 22.70 |
| 24728 | Analysis..... | 11.13 | 1.66 | 1.18 | 21.42 |
| 24915 | Analysis..... | 10.96 | 1.58 | 1.24 | 20.96 |
| 25105 | Analysis..... | 11.56 | 1.58 | .90 | 21.27 |
| 25107 | Analysis..... | 12.01 | 1.62 | .85 | 21.91 |
| 25010 | Analysis..... | 10.55 | 1.63 | 1.14 | 20.55 |
| | Crockett Vegetable Producer—Guarantee..... | 7.25 | 2.87 | 5.56 | 26.84 |
| 24565 | Analysis..... | 7.90 | 3.20 | 5.43 | 28.80 |
| 25115 | Analysis..... | 8.07 | 3.00 | 5.42 | 28.18 |
| | Houston Packing Co., Houston, Texas— | | | | |
| | Blood and Bone—Guarantee..... | *14.50 | 5.60 | ..... | 34.00 |
| 24558 | Analysis..... | *19.39 | 4.47 | ..... | 33.39 |
| 24696 | Analysis..... | *16.90 | 5.56 | ..... | 35.76 |
| | Huntsville Cotton Oil Co., Huntsville, Texas— | | | | |
| | Acid Phosphate—Guarantee..... | 14.00 | ..... | ..... | 16.80 |
| 24740 | Analysis..... | 14.40 | ..... | ..... | 17.28 |
| | Huntsville High Grade—Guarantee..... | 8.70 | 2.80 | 2.80 | 25.00 |
| 24738 | Analysis..... | 8.86 | 2.92 | 2.58 | 25.41 |
| | Phosphate and Meal—Guarantee..... | 8.50 | 3.50 | ..... | 24.20 |
| 24745 | Analysis..... | 8.24 | 3.55 | ..... | 24.09 |
| | Industrial Cotton Oil Co., Houston, Texas— | | | | |
| | Industrial Acid Phosphate, Longhorn Brand—Guarantee..... | 18.00 | ..... | ..... | 21.60 |
| 24824 | Analysis..... | 18.04 | ..... | ..... | 21.65 |
| | Industrial Corn Grower Fertilizer, Longhorn Brand—Guarantee..... | 10.00 | 1.65 | 2.00 | 21.00 |
| 24765 | Analysis..... | 10.29 | 2.08 | 2.01 | 23.09 |
| 24923 | Analysis..... | 11.32 | 1.69 | 1.99 | 22.73 |
| | Industrial Cotton Grower, Longhorn Brand—Guarantee..... | 10.00 | 1.65 | 2.00 | 21.00 |
| 24739 | Analysis..... | 11.39 | 1.68 | 2.08 | 22.79 |
| 24767 | Analysis..... | 10.82 | 1.96 | 2.33 | 23.62 |
| 24812 | Analysis..... | 10.58 | 1.70 | 2.36 | 22.32 |
| 24933 | Analysis..... | 10.53 | 1.96 | 2.44 | 23.41 |
| 24935 | Analysis..... | 11.52 | 1.70 | 2.12 | 23.16 |
| 24945 | Analysis..... | 10.17 | 1.96 | 2.39 | 22.91 |
| | Industrial Vegetable Grower Fertilizer, Longhorn Brand—Guarantee..... | 7.00 | 2.00 | 4.00 | 21.20 |
| 24742 | Analysis..... | 7.46 | 2.02 | 5.21 | 23.28 |
| | Jackson Fertilizer Co., Jackson, Miss.— | | | | |
| | High Grade Red Band 16 Per Cent AcWd Phosphate—Guarantee..... | 16.00 | ..... | ..... | 19.20 |
| 24854 | Analysis..... | 16.74 | ..... | ..... | 20.09 |
| 24932 | Analysis..... | 18.59 | ..... | ..... | 22.31 |
| | Royal C Brand—Guarantee..... | 10.00 | 1.65 | 1.50 | 20.40 |
| 24820 | Analysis..... | 11.70 | 1.95 | 1.82 | 24.02 |
| 24851 | Analysis..... | 10.83 | 1.92 | 1.82 | 22.86 |
| 24952 | Analysis..... | 9.92 | 2.23 | 1.92 | 23.12 |
| | Lavaca Oil Co., Hallettsville, Texas— | | | | |
| | Lavaca 14 Per Cent Acid Phosphate—Guarantee..... | 14.00 | ..... | ..... | 16.80 |
| 24741 | Analysis..... | 14.16 | ..... | ..... | 16.99 |
| | Longview Cotton Oil Co., Longview, Texas— | | | | |
| | Longview Corn Special—Guarantee..... | 8.00 | 3.00 | 2.00 | 24.00 |
| 24850 | Analysis..... | 8.79 | 2.88 | 2.36 | 24.90 |
| | Longview Cotton Special—Guarantee..... | 9.00 | 2.00 | 2.00 | 21.20 |
| 24845 | Analysis..... | 10.47 | 2.20 | 2.05 | 23.82 |
| 25037 | Analysis..... | 10.31 | 2.18 | 2.76 | 24.40 |

*Total.

Table I.—Analyses of Commercial Fertilizers, Season of 1912-1913.

| Laboratory Number | Manufacturer, Place of Business and Brand. | Phosphoric Acid— Available Per Cent | Nitrogen—Per Cent. | Potash—Per Cent. | Valuation. |
|-------------------|--|---|-----------------------|---------------------|------------|
| | Longview Cotton Oil Co., Longview, Texas—continued. | | | | |
| | Longview 16 Per Cent Acid Phosphate—Guarantee..... | 16.00 | ..... | ..... | \$19.20 |
| 24852 | Analysis..... | 17.61 | ..... | ..... | 21.13 |
| | Marshall Fertilizer Factory, Marshall, Texas— | | | | |
| | High Grade Acid Phosphate—Guarantee..... | 16.00 | ..... | ..... | 19.20 |
| 24641 | Analysis..... | 16.74 | ..... | ..... | 20.09 |
| 24644 | Analysis..... | 15.79 | ..... | ..... | 18.95 |
| 24784 | Analysis..... | 17.07 | ..... | ..... | 20.48 |
| 24792 | Analysis..... | 17.01 | ..... | ..... | 20.41 |
| | High Grade Big Boll Prolific—Guarantee..... | 10.00 | 1.65 | 2.00 | 21.00 |
| 24794 | Analysis..... | 10.49 | 1.95 | 2.47 | 23.35 |
| | High Grade Vegetable Grower—Guarantee..... | 7.00 | 2.47 | 4.00 | 23.08 |
| 25038 | Analysis..... | 9.84 | 3.28 | 2.96 | 28.48 |
| | Marshall Cotton Grower—Guarantee..... | 10.00 | 1.65 | 1.00 | 19.80 |
| 25029 | Analysis..... | 11.12 | 2.04 | 1.20 | 22.94 |
| 25031 | Analysis..... | 10.59 | 1.80 | 1.45 | 21.65 |
| | Red Diamond Acid Phosphate—Guarantee..... | 14.00 | ..... | ..... | 16.80 |
| 25035 | Analysis..... | 15.16 | ..... | ..... | 18.19 |
| | Red Diamond Corn and Cotton Grower—Guarantee..... | 10.00 | 1.65 | 1.50 | 20.40 |
| 24962 | Analysis..... | 9.75 | 1.61 | 1.63 | 20.10 |
| 24635 | Analysis..... | 10.42 | 1.64 | 1.57 | 20.94 |
| 24788 | Analysis..... | 11.32 | 1.95 | 2.08 | 23.88 |
| 24801 | Analysis..... | 9.80 | 1.84 | 1.52 | 20.94 |
| 25032 | Analysis..... | 11.14 | 1.90 | 1.89 | 23.24 |
| 24715 | Analysis..... | 9.46 | 1.64 | 1.22 | 19.37 |
| | Standard Cotton and Corn Grower—Guarantee..... | 10.00 | 1.65 | 1.00 | 19.80 |
| 24636 | Analysis..... | 10.82 | 1.74 | 1.42 | 21.64 |
| 24829 | Analysis..... | 10.51 | 1.99 | 1.33 | 22.17 |
| | Meridian Fertilizer Factory, Shreveport, La.— | | | | |
| | Caddo Cotton—Guarantee..... | 9.00 | 1.85 | 1.00 | 19.40 |
| 24625 | Analysis..... | 9.49 | 1.95 | 1.24 | 20.68 |
| | Caddo Vegetable—Guarantee..... | 8.00 | 3.30 | 4.00 | 27.60 |
| 24573 | Analysis..... | 9.73 | 2.43 | 2.59 | 24.51 |
| | Corn Grower—Guarantee..... | 7.50 | 2.88 | 1.00 | 21.72 |
| 24612 | Analysis..... | 8.29 | 2.96 | 1.44 | 23.52 |
| 24857 | Analysis..... | 8.22 | 3.02 | 1.27 | 23.46 |
| 24985 | Analysis..... | 8.43 | 2.78 | 1.27 | 22.76 |
| 25056 | Analysis..... | 8.54 | 2.54 | 1.45 | 22.15 |
| 24998 | Analysis..... | 6.83 | 2.75 | 1.27 | 20.72 |
| 25053 | Analysis..... | 9.09 | 2.70 | 1.72 | 23.77 |
| | Meridian Blood and Bone—Guarantee..... | 10.00 | 1.65 | 1.00 | 19.80 |
| 24553 | Analysis..... | 11.21 | 1.74 | 1.26 | 21.92 |
| 24591 | Analysis..... | 11.08 | 1.51 | 1.24 | 20.83 |
| 24619 | Analysis..... | 10.04 | 2.29 | 1.03 | 22.45 |
| 24647 | Analysis..... | 11.17 | 1.69 | 1.47 | 21.92 |
| 24776 | Analysis..... | 10.67 | 1.67 | 1.44 | 21.21 |
| 24908 | Analysis..... | 10.95 | 1.72 | 1.42 | 21.73 |
| 24927 | Analysis..... | 11.03 | 1.83 | 1.03 | 21.80 |
| 25055 | Analysis..... | 10.65 | 1.68 | 1.18 | 20.92 |
| 25082 | Analysis..... | 10.63 | 1.62 | 1.06 | 20.51 |
| 25120 | Analysis..... | 10.28 | 1.84 | 1.27 | 21.22 |
| | Meridian Bone and Potash—Guarantee..... | 12.00 | ..... | 2.00 | 16.80 |
| 24533 | Analysis..... | 12.16 | ..... | 1.90 | 16.87 |
| 24607 | Analysis..... | 11.90 | ..... | 2.16 | 16.87 |
| 24826 | Analysis..... | 12.24 | ..... | 2.17 | 17.29 |
| 24838 | Analysis..... | 11.28 | ..... | 2.49 | 16.53 |
| 25002 | Analysis..... | 14.94 | ..... | .92 | 19.03 |
| | Meridian Cane Special No. 1—Guarantee..... | 4.00 | ..... | 5.35 | 26.20 |
| 25136 | Analysis..... | 6.12 | ..... | 4.53 | 25.46 |
| | Meridian Farmer's Friend—Guarantee..... | 9.00 | 1.65 | 1.00 | 18.60 |
| 24920 | Analysis..... | 9.65 | 1.80 | 1.40 | 20.46 |
| | Meridian German Kainit—Guarantee..... | ..... | ..... | 12.00 | 14.40 |
| 24790 | Analysis..... | ..... | ..... | 13.00 | 15.60 |
| 24919 | Analysis..... | ..... | ..... | 12.81 | 15.37 |
| | Meridian Home Mixture—Guarantee..... | 10.00 | 1.65 | 1.00 | 19.80 |
| 24552 | Analysis..... | 10.53 | 1.90 | 1.27 | 21.76 |
| 24561 | Analysis..... | 11.13 | 1.76 | 1.21 | 21.85 |
| 24590 | Analysis..... | 10.41 | 1.62 | 1.25 | 20.47 |
| 24620 | Analysis..... | 10.89 | 1.92 | 1.44 | 22.48 |
| 24698 | Analysis..... | 11.05 | 1.75 | 1.36 | 21.81 |
| 24780 | Analysis..... | 10.74 | 1.63 | 1.49 | 21.20 |

Table I.—Analyses of Commercial Fertilizers, Season of 1912-1913.

| Laboratory Number. | Manufacturer, Place of Business and Brand. | Phosphoric Acid—Available Per Cent. | Nitrogen—Per Cent. | Potash—Per Cent. | Valuation. |
|--------------------|--|-------------------------------------|--------------------|------------------|------------|
| | Meridian Fertilizer Factory, Shreveport, La.—continued. | | | | |
| | Meridian Home Mixture—Guarantee—continued..... | 10.00 | 1.65 | 1.00 | \$19.80 |
| 24805 | Analysis..... | 10.05 | 2.07 | 1.33 | 21.94 |
| 24816 | Analysis..... | 10.92 | 1.93 | 1.51 | 22.63 |
| 24817 | Analysis..... | 10.22 | 1.88 | 1.33 | 21.38 |
| 24903 | Analysis..... | 10.01 | 1.89 | 1.06 | 22.04 |
| 24949 | Analysis..... | 10.17 | 1.90 | 1.11 | 21.13 |
| 24966 | Analysis..... | 9.72 | 2.00 | 1.47 | 21.42 |
| 24978 | Analysis..... | 10.92 | 1.66 | 1.02 | 20.96 |
| 24986 | Analysis..... | 10.98 | 1.72 | 1.29 | 21.61 |
| 25095 | Analysis..... | 9.66 | 1.87 | 1.20 | 20.51 |
| 25112 | Analysis..... | 9.95 | 1.64 | 1.20 | 19.94 |
| 25011 | Analysis..... | 10.55 | 1.88 | 1.33 | 21.78 |
| 25132 | Analysis..... | 12.81 | 1.91 | .32 | 23.39 |
| | Meridian Meal Mixture—Guarantee..... | 10.00 | 1.65 | 1.00 | 19.80 |
| 24677 | Analysis..... | 10.56 | 1.86 | 1.45 | 21.85 |
| 24743 | Analysis..... | 9.80 | 2.05 | 1.54 | 21.81 |
| 24749 | Analysis..... | 10.53 | 1.74 | 1.33 | 21.20 |
| 24761 | Analysis..... | 10.38 | 1.90 | 1.26 | 21.57 |
| | Meridian Onion Special No. 3—Guarantee..... | 8.00 | 3.30 | 6.00 | 30.00 |
| 24535 | Analysis..... | 8.47 | 3.36 | 6.10 | 30.92 |
| | Meridian Perfection Acid Phosphate—Guarantee..... | 17.00 | | | 20.40 |
| 24623 | Analysis..... | 18.42 | | | 22.10 |
| 25137 | Analysis..... | 19.15 | | | 22.98 |
| | Meridian Perfection Meal Compound—Guarantee..... | 10.00 | 2.47 | 3.00 | 25.48 |
| 24570 | Analysis..... | 10.68 | 2.63 | 2.97 | 26.90 |
| | Meridian Perfection Potash Formula—Guarantee..... | 12.00 | | 4.00 | 19.20 |
| 24839 | Analysis..... | 11.18 | | 2.73 | 16.70 |
| | Meridian Potash Compound—Guarantee..... | 10.00 | | 4.00 | 16.80 |
| 24718 | Analysis..... | 12.25 | | 2.35 | 17.52 |
| 24819 | Analysis..... | 11.02 | | 4.55 | 18.68 |
| 24822 | Analysis..... | 10.17 | | 4.36 | 17.43 |
| 25135 | Analysis..... | 10.20 | | 3.06 | 15.91 |
| 25141 | Analysis..... | 10.08 | | 4.28 | 17.24 |
| 25142 | Analysis..... | 9.55 | | 3.86 | 16.09 |
| 24996 | Analysis..... | 12.09 | | 1.63 | 16.47 |
| | Meridian Vegetable Grower—Guarantee..... | 8.00 | 2.47 | 5.00 | 25.48 |
| 24626 | Analysis..... | 8.31 | 2.53 | 4.90 | 25.97 |
| 24747 | Analysis..... | 10.89 | 2.50 | 1.44 | 24.80 |
| 24969 | Analysis..... | 9.50 | 2.51 | 4.18 | 26.46 |
| | Muriate of Potash—Guarantee..... | | | 50.00 | 60.00 |
| 25134 | Analysis..... | | | 51.34 | 61.60 |
| | Star—Guarantee..... | 10.00 | 1.65 | 1.00 | 19.80 |
| 24611 | Analysis..... | 10.81 | 1.76 | 1.89 | 22.27 |
| 24630 | Analysis..... | 10.88 | 1.67 | 1.37 | 21.38 |
| 24669 | Analysis..... | 10.77 | 1.84 | 1.36 | 21.91 |
| 24671 | Analysis..... | 10.42 | 1.95 | 1.32 | 21.88 |
| 24706 | Analysis..... | 10.42 | 1.70 | 1.30 | 20.86 |
| 24953 | Analysis..... | 10.32 | 1.83 | 1.23 | 21.18 |
| 24981 | Analysis..... | 11.22 | 1.80 | 1.01 | 21.87 |
| 24982 | Analysis..... | 10.66 | 2.07 | 1.32 | 22.63 |
| 25067 | Analysis..... | 10.30 | 2.11 | 1.32 | 22.38 |
| 25075 | Analysis..... | 10.95 | 1.88 | 1.13 | 22.02 |
| 25121 | Analysis..... | 10.45 | 2.10 | 1.16 | 22.33 |
| | Texas Special—Guarantee..... | 10.00 | 2.72 | | 22.88 |
| 24675 | Analysis..... | 10.61 | 2.72 | | 23.61 |
| 24685 | Analysis..... | 10.83 | 1.99 | .95 | 22.10 |
| 24809 | Analysis..... | 9.76 | 3.06 | | 23.95 |
| 24888 | Analysis..... | 10.20 | 2.86 | | 23.68 |
| | Meridian Potato Special—Guarantee..... | 8.00 | 3.30 | 2.00 | 25.20 |
| 24575 | Analysis..... | 9.17 | 3.11 | 2.15 | 26.02 |
| 24614 | Analysis..... | 9.10 | 3.05 | 2.96 | 26.67 |
| 24676 | Analysis..... | 8.94 | 3.12 | 2.32 | 25.99 |
| 24946 | Analysis..... | 9.02 | 3.20 | 3.02 | 27.24 |
| | Meridian Southern Acid Phosphate—Guarantee..... | 14.00 | | | 16.80 |
| 24655 | Analysis..... | 15.42 | | | 18.50 |
| 24762 | Analysis..... | 15.19 | | | 18.21 |
| 24846 | Analysis..... | 16.59 | | | 19.91 |
| 25054 | Analysis..... | 15.83 | | | 19.00 |
| 25102 | Analysis..... | 14.38 | | | 17.26 |
| | Meridian Standard Cotton and Corn—Guarantee..... | 8.00 | 1.65 | 2.00 | 18.60 |
| 24594 | Analysis..... | 8.39 | 1.72 | 1.98 | 20.33 |
| 24876 | Analysis..... | 8.06 | 1.87 | 2.46 | 20.10 |

Table I.—Analyses of Commercial Fertilizers, Season of 1912-1913.

| Laboratory Number. | Manufacturer, Place of Business and Brand. | Phosphoric Acid Available Per Cent. | Nitrogen—Per Cent. | Potash—Per Cent. | Valuation. |
|--------------------|--|-------------------------------------|--------------------|------------------|------------|
| | Meridian Fertilizer Factory, Shreveport, La.—continued. | | | | |
| | Meridian Tomato Special—Guarantee. | 10.00 | 2.47 | 1.00 | \$23.08 |
| 24589 | Analysis. | 10.69 | 2.53 | 1.28 | 24.49 |
| 24843 | Analysis. | 11.05 | 2.98 | 1.22 | 26.64 |
| | Meridian Trucker's Special—Guarantee. | 9.00 | 1.65 | 2.00 | 19.80 |
| 24593 | Analysis. | 9.59 | 1.88 | 2.05 | 21.49 |
| 24841 | Analysis. | 11.25 | 1.89 | 1.65 | 23.03 |
| | Union Special Acid Phosphate—Guarantee. | 16.00 | ..... | ..... | 19.20 |
| 24617 | Analysis. | 17.47 | ..... | ..... | 20.99 |
| 24640 | Analysis. | 15.71 | ..... | ..... | 18.85 |
| 24648 | Analysis. | 17.12 | ..... | ..... | 20.54 |
| 24775 | Analysis. | 16.80 | ..... | ..... | 20.16 |
| 24796 | Analysis. | 14.28 | ..... | ..... | 17.14 |
| 24798 | Analysis. | 17.27 | ..... | ..... | 20.72 |
| 24837 | Analysis. | 16.97 | ..... | ..... | 20.36 |
| 24868 | Analysis. | 17.09 | ..... | ..... | 20.51 |
| 24904 | Analysis. | 16.33 | ..... | ..... | 19.60 |
| 24977 | Analysis. | 17.42 | ..... | ..... | 20.90 |
| 24994 | Analysis. | 17.02 | ..... | ..... | 20.42 |
| 25085 | Analysis. | 16.47 | ..... | ..... | 19.76 |
| 25140 | Analysis. | 17.39 | ..... | ..... | 20.87 |
| | Weevil Beater Guano—Guarantee. | 10.00 | 1.65 | 1.00 | 19.80 |
| 24899 | Analysis. | 10.29 | 1.67 | 1.26 | 20.50 |
| | V. P. Monkress, Jacksonville, Texas— | | | | |
| | Cherokee Acid Phosphate—Guarantee. | 14.00 | ..... | ..... | 16.80 |
| 24587 | Analysis. | 13.87 | ..... | ..... | 16.64 |
| | Monkress 16 Per Cent Acid Phosphate—Guarantee. | 16.00 | ..... | ..... | 19.20 |
| 24588 | Analysis. | 15.90 | ..... | ..... | 19.08 |
| | Nacogdoches Oil Mill, Nacogdoches, Texas— | | | | |
| | Carisco Corn Grower—Guarantee. | 7.00 | 3.29 | 1.00 | 22.76 |
| 24658 | Analysis. | 8.26 | 3.30 | 1.84 | 25.32 |
| 24918 | Analysis. | 8.15 | 3.46 | 1.85 | 25.84 |
| | Loco Cotton Grower—Guarantee. | 10.00 | 1.65 | 1.00 | 19.80 |
| 24621 | Analysis. | 10.51 | 2.13 | 1.48 | 22.91 |
| 24936 | Analysis. | 10.85 | 1.87 | 1.52 | 22.32 |
| | Nacogdoches 16 Per Cent Acid Phosphate—Guarantee. | 16.00 | ..... | ..... | 19.20 |
| 24622 | Analysis. | 16.59 | ..... | ..... | 19.91 |
| 24926 | Analysis. | 17.47 | ..... | ..... | 20.96 |
| | Nacogdoches 12 Per Cent German Kainit—Guarantee. . . . . | ..... | ..... | 12.00 | 14.40 |
| 24934 | Analysis. . . . . | ..... | ..... | 12.80 | 15.36 |
| | Tusco Cotton Phospho—Guarantee. | 10.00 | 1.65 | 2.00 | 21.00 |
| 24615 | Analysis. | 10.86 | 1.74 | 1.47 | 21.75 |
| 24937 | Analysis. | 10.32 | 1.90 | 2.63 | 23.14 |
| | New Orleans Acid and Fertilizer Co., New Orleans, La.— | | | | |
| | Ammoniated Raw Bone Superphosphate and Potash—Guarantee. | 10.00 | 1.65 | 1.00 | 19.80 |
| 24563 | Analysis. | 10.74 | 1.49 | 1.00 | 20.05 |
| 24860 | Analysis. | 10.89 | 1.97 | 1.56 | 22.82 |
| 24862 | Analysis. | 11.80 | 1.75 | 1.59 | 23.07 |
| | Black Diamond Acid Phosphate—Guarantee. | 12.00 | ..... | ..... | 14.40 |
| 24961 | Analysis. | 12.99 | ..... | ..... | 15.59 |
| | Blood, Bone and Potash—Guarantee. | 10.00 | 1.65 | 1.00 | 19.80 |
| 24649 | Analysis. | 10.63 | 1.84 | 1.14 | 21.49 |
| 24957 | Analysis. | 12.03 | 2.00 | 1.22 | 23.90 |
| 25047 | Analysis. | 12.29 | 2.18 | 1.16 | 22.46 |
| 25070 | Analysis. | 10.42 | 1.39 | .87 | 19.10 |
| | Bull Dog Acid Phosphate—Guarantee. | 16.00 | ..... | ..... | 19.20 |
| 24618 | Analysis. | 16.95 | ..... | ..... | 20.24 |
| 24952 | Analysis. | 16.25 | ..... | ..... | 19.48 |
| 24975 | Analysis. | 17.00 | ..... | ..... | 20.40 |
| 25076 | Analysis. | 17.05 | ..... | ..... | 20.46 |
| 25123 | Analysis. | 16.87 | ..... | ..... | 20.24 |
| | Honduras Rice Grower—Guarantee. | 12.00 | ..... | 4.00 | 19.20 |
| 24968 | Analysis. | 11.62 | ..... | 3.75 | 18.44 |
| | Economizer—Guarantee. | 10.00 | 1.65 | 2.00 | 21.00 |
| 24967 | Analysis. | 11.15 | 1.84 | 1.52 | 22.56 |
| | Golden Guano—Guarantee. | 10.00 | 1.65 | 1.00 | 19.80 |
| 24853 | Analysis. | 11.05 | 2.02 | 1.46 | 23.09 |
| 24930 | Analysis. | 12.35 | 1.64 | 1.05 | 22.64 |

Table I—Analyses of Commercial Fertilizers, Season of 1912-1913.

| Laboratory Number. | Manufacturer, Place of Business and Brand. | Phosphoric Acid—Available Per Cent. | Nitrogen—Per Cent. | Potash—Per Cent. | Valuation. |
|--------------------|---|-------------------------------------|--------------------|------------------|------------|
| | New Orleans Acid and Fertilizer Co., New Orleans, La.—continued. | | | | |
| | Goldsmith's Improved Mixture—Guarantee | 10.00 | 1.65 | 1.00 | \$19.80 |
| 24653 | Analysis | 10.84 | 1.66 | 1.32 | 21.23 |
| 24758 | Analysis | 8.78 | 2.12 | 1.34 | 20.87 |
| 24905 | Analysis | 10.76 | 1.82 | 1.11 | 21.52 |
| 24909 | Analysis | 11.45 | 1.78 | 1.02 | 22.13 |
| 24950 | Analysis | 12.07 | 1.90 | .98 | 23.26 |
| 25077 | Analysis | 10.95 | 1.86 | 1.23 | 22.06 |
| 25125 | Analysis | 8.96 | 2.84 | 2.97 | 25.67 |
| | New Orleans Acid Phosphate—Guarantee | 14.00 | | | 16.80 |
| 24650 | Analysis | 14.14 | | | 16.97 |
| 24959 | Analysis | 14.82 | | | 17.78 |
| 25138 | Analysis | 15.43 | | | 18.52 |
| | Nitrate of Soda—Guarantee | | 15.00 | | 60.00 |
| 25126 | Analysis | | 14.98 | | 59.92 |
| | Vegetable Grower—Guarantee | 6.00 | 2.47 | 4.00 | 21.88 |
| 24753 | Analysis | 7.12 | 2.37 | 3.18 | 21.85 |
| | Nitrate Agencies Co., New Orleans, La.— | | | | |
| | Acid Phosphate 16 Per Cent—Guarantee | 16.00 | | | 19.20 |
| 24632 | Analysis | 15.28 | | | 18.34 |
| 24840 | Analysis | 15.70 | | | 18.84 |
| | Pelican Fertilizer Works, Shreveport, La.— | | | | |
| | Pelican Cotton and Corn—Guarantee | 8.00 | 1.65 | 2.00 | 18.60 |
| 25059 | Analysis | 8.13 | 2.08 | 2.13 | 20.64 |
| | Pelican Fish Bone Fertilizer—Guarantee | 10.00 | 1.65 | 2.00 | 21.00 |
| 24958 | Analysis | 10.62 | 1.90 | 2.12 | 22.88 |
| | Pelican Fish Formula—Guarantee | 10.00 | 1.65 | 1.00 | 19.80 |
| 24735 | Analysis | 11.29 | 1.65 | 1.08 | 21.45 |
| 25026 | Analysis | 9.86 | 2.00 | 1.73 | 21.91 |
| | Pelican High Grade—Guarantee | 9.00 | 2.47 | 3.00 | 24.28 |
| 24686 | Analysis | 10.10 | 2.46 | 3.15 | 25.74 |
| 24960 | Analysis | 10.40 | 2.69 | 3.23 | 27.12 |
| | Pelican Meal Compound—Guarantee | 10.00 | 1.65 | 1.00 | 19.80 |
| 24769 | Analysis | 10.64 | 1.94 | 1.46 | 22.28 |
| 24778 | Analysis | 10.49 | 1.66 | 1.39 | 20.90 |
| 24956 | Analysis | 10.72 | 1.80 | 1.16 | 21.45 |
| 24995 | Analysis | 10.96 | 1.66 | 1.03 | 21.03 |
| 25025 | Analysis | 11.00 | 1.74 | 1.31 | 21.73 |
| 25060 | Analysis | 10.50 | 1.76 | 1.12 | 20.98 |
| 25086 | Analysis | 10.59 | 1.72 | 1.21 | 21.04 |
| | Pelican Tomato Special—Guarantee | 10.00 | 2.47 | 1.00 | 23.08 |
| 24682 | Analysis | 11.17 | 2.38 | 1.79 | 25.07 |
| | Pelican Vegetable Grower—Guarantee | 8.00 | 2.47 | 4.00 | 24.28 |
| 24748 | Analysis | 8.92 | 2.26 | 4.34 | 24.95 |
| | People's Cotton Oil Co., Sulphur Springs, Texas— | | | | |
| | Acid Phosphate—Guarantee | 14.00 | | | 16.80 |
| 24830 | Analysis | 14.76 | | | 17.71 |
| | Planter's Fertilizer and Chemical Co., New Orleans, La.— | | | | |
| | 14 Per Cent Phosphate—Guarantee | 14.00 | | | 16.80 |
| 24687 | Analysis | 13.55 | | | 16.26 |
| 25022 | Analysis | 15.17 | | | 18.20 |
| | Planter's Corn Field Brand—Guarantee | 10.00 | .82 | 1.00 | 16.48 |
| 24691 | Analysis | 9.36 | 1.15 | 1.28 | 17.37 |
| | Planter's Cotton and Corn—Guarantee | 9.50 | 1.65 | 1.50 | 19.80 |
| 24666 | Analysis | 10.14 | 1.76 | 1.53 | 21.05 |
| 24707 | Analysis | 9.60 | 1.81 | 1.58 | 20.66 |
| 24759 | Analysis | 9.50 | 1.94 | 1.53 | 21.00 |
| | Planter's Cotton Grower—Guarantee | 10.00 | 1.65 | 1.50 | 20.40 |
| 24942 | Analysis | 9.95 | 1.92 | 1.55 | 21.48 |
| | Planter's Golden Mixture—Guarantee | 9.50 | 1.65 | 1.50 | 19.80 |
| 24700 | Analysis | 9.89 | 1.97 | 1.67 | 21.75 |
| 24712 | Analysis | 9.51 | 1.67 | 1.88 | 20.77 |
| 24751 | Analysis | 9.27 | 1.67 | 1.21 | 19.25 |
| 24883 | Analysis | 10.56 | 1.87 | 1.48 | 21.93 |
| | Planter's Kainit—Guarantee | | | 12.00 | 14.40 |
| 24693 | Analysis | | | 11.02 | 13.22 |
| | Planter's Muriate of Potash—Guarantee | | | 50.00 | 60.00 |
| 24694 | Analysis | | | 46.14 | 55.37 |
| | Planter's Potato Fertilizer No. 1—Guarantee | 8.00 | 2.05 | 6.00 | 25.00 |
| 24661 | Analysis | 7.95 | 2.05 | 4.33 | 22.94 |
| 24692 | Analysis | 7.33 | 2.04 | 5.64 | 23.73 |

Table I.—Analyses of Commercial Fertilizers, Season of 1912-1913.

| Laboratory Number. | Manufacturer, Place of Business and Brand. | Phosphoric Acid—Available Per Cent. | Nitrogen—Per Cent. | Potash—Per Cent. | Valuation. |
|--|--|-------------------------------------|--------------------|------------------|------------|
| Planters Fertilizer and Chemical Co., New Orleans, La.—continued. | | | | | |
| 25148 | Planter's Potato Fertilizer No. 2—Guarantee..... | 8.00 | 2.47 | 4.00 | \$24.28 |
| | Analysis..... | 9.37 | 2.72 | 4.10 | 27.04 |
| 24750 | Planter's Raw Bone Superphosphate with Potash—Guarantee..... | 9.50 | 1.65 | 1.50 | 19.80 |
| 24910 | Analysis..... | 8.85 | 1.72 | 1.68 | 19.52 |
| | Analysis..... | 7.98 | 1.72 | 1.62 | 18.38 |
| 24681 | Planter's Special Farm Mixture—Guarantee..... | 10.00 | 1.65 | 1.50 | 20.40 |
| | Analysis..... | 9.69 | 1.74 | 1.58 | 20.49 |
| | Planters Stubbs Formula for Cotton and Corn—Guarantee..... | 8.00 | 1.65 | 2.00 | 18.60 |
| 24688 | Analysis..... | 7.42 | 1.73 | 1.80 | 17.98 |
| 24690 | Analysis..... | 8.05 | 1.50 | 1.95 | 18.00 |
| 25139 | Analysis..... | 9.49 | 1.80 | 2.01 | 21.00 |
| | Planter's Vegetable Grower—Guarantee..... | 7.00 | 2.47 | 3.50 | 22.48 |
| 24665 | Analysis..... | 7.82 | 2.25 | 4.20 | 23.42 |
| 24877 | Analysis..... | 6.46 | 3.01 | 4.27 | 24.91 |
| | 16 Per Cent Acid Phosphate—Guarantee..... | 16.00 | | | 19.20 |
| 24755 | Analysis..... | 16.92 | | | 20.30 |
| Rockdale Oil Co., Rockdale, Texas— | | | | | |
| 24697 | Superior Brand Corn and Cotton Fertilizer—Guarantee..... | 11.00 | 1.90 | | 20.80 |
| | Analysis..... | 12.56 | 1.88 | | 22.59 |
| 24911 | Analysis..... | 13.02 | 1.92 | | 23.30 |
| | Superior Brand Cotton Special Fertilizer—Guarantee..... | 8.00 | 1.70 | 3.00 | 20.00 |
| 24708 | Analysis..... | 8.40 | 1.95 | 3.56 | 21.85 |
| 24907 | Analysis..... | 8.77 | 1.84 | 3.55 | 22.14 |
| | Superior Brand Vegetable Fertilizer—Guarantee..... | 8.50 | 3.50 | | 24.20 |
| 24713 | Analysis..... | 9.44 | 3.40 | | 24.93 |
| 24912 | Analysis..... | 9.63 | 3.52 | | 25.70 |
| San Augustine Fertilizer Co., San Augustine, Texas— | | | | | |
| 24651 | Augustine 14% Acid Phosphate—Guarantee..... | 14.00 | | | 16.80 |
| | Analysis..... | 13.56 | | | 16.27 |
| 24875 | Analysis..... | 15.26 | | | 18.31 |
| 24985 | Analysis..... | 15.21 | | | 18.25 |
| | Augustine Cotton Fertilizer—Guarantee..... | 10.00 | 1.65 | 1.00 | 19.80 |
| 24869 | Analysis..... | 9.19 | 1.64 | 1.29 | 19.14 |
| | Augustine High Grade—Guarantee..... | 10.00 | 1.65 | 2.00 | 21.00 |
| 24656 | Analysis..... | 10.08 | 1.90 | 1.93 | 22.02 |
| 24866 | Analysis..... | 9.83 | 1.96 | 1.98 | 22.02 |
| | Augustine 16% Acid Phosphate—Guarantee..... | 16.00 | | | 19.20 |
| 24874 | Analysis..... | 16.86 | | | 20.25 |
| | Augustine Standard Grade—Guarantee..... | 8.00 | 2.06 | 1.50 | 19.64 |
| 24652 | Analysis..... | 9.43 | 1.82 | 1.62 | 20.54 |
| 24865 | Analysis..... | 8.46 | 2.41 | 1.98 | 22.17 |
| 24872 | Analysis..... | 8.44 | 2.32 | 1.91 | 21.70 |
| | Augustine Phosphate and Potash—Guarantee..... | 10.00 | | 4.00 | 16.80 |
| 24991 | Analysis..... | 10.77 | | 3.09 | 16.63 |
| Standard Guano and Chemical Mfg., Co. New Orleans, La.— | | | | | |
| 24898 | Acid Phosphate—Guarantee..... | 16.00 | | | 19.20 |
| | Analysis..... | 17.02 | | | 20.42 |
| | McCall Formula—Guarantee..... | 5.00 | 3.85 | 1.50 | 23.20 |
| 24599 | Analysis..... | 6.40 | 3.72 | 2.41 | 25.45 |
| 24610 | Analysis..... | 6.14 | 3.90 | 2.33 | 25.77 |
| | Mississippi Home Guano—Guarantee..... | 9.50 | 1.65 | 1.50 | 19.80 |
| 24577 | Analysis..... | 10.15 | 1.86 | 2.08 | 22.12 |
| 24902 | Analysis..... | 10.38 | 1.72 | 1.82 | 21.52 |
| | Pure Animal Bone Vegetable Fertilizer—Guarantee..... | 6.00 | 2.50 | 5.00 | 23.20 |
| 24556 | Analysis..... | 6.72 | 3.06 | 5.18 | 26.52 |
| 24557 | Analysis..... | 7.37 | 3.35 | 5.39 | 28.71 |
| | Standard Raw Bone Rice Fertilizer—Guarantee..... | 9.50 | 1.65 | 1.50 | 19.80 |
| 24963 | Analysis..... | 9.76 | 2.12 | 1.67 | 21.19 |
| | Stern's Acid Phosphate—Guarantee..... | 14.00 | | | 16.80 |
| 24970 | Analysis..... | 15.62 | | | 18.74 |
| | Stern's Ammoniated Raw Bone Superphosphate—Guarantee..... | 9.50 | 1.65 | 1.50 | 19.80 |
| 24554 | Analysis..... | 10.14 | 2.24 | 1.67 | 23.13 |
| 24574 | Analysis..... | 9.95 | 2.36 | 1.53 | 23.27 |
| 24598 | Analysis..... | 9.58 | 2.45 | 1.55 | 23.16 |
| 24870 | Analysis..... | 9.59 | 1.65 | 1.73 | 20.19 |
| 24965 | Analysis..... | 11.57 | 2.14 | 1.43 | 24.16 |

Table I—Analyses of Commercial Fertilizers, Season of 1912-1913.

| Laboratory Number. | Manufacturer, Place of Business and Brand. | Phosphoric Acid—Available Per Cent. | Nitrogen—Per Cent. | Potash—Per Cent. | Valuation. |
|--------------------|--|-------------------------------------|--------------------|------------------|------------|
| | Standard Guano and Chemical Mfg. Co., New Orleans, La.—continued. | | | | |
| | Stern's High Grade Acid Phosphate and Potash—Guarantee..... | 12.00 | ..... | 2.00 | \$16.80 |
| 24976 | Analysis..... | 14.13 | ..... | 1.85 | 19.18 |
| | Strawberry Pusher—Guarantee..... | 6.00 | 2.50 | 5.00 | 23.20 |
| 24555 | Analysis..... | 7.50 | 3.08 | 5.10 | 27.56 |
| | Swift & Co., Fort Worth, Texas— | | | | |
| | Swift's Diamond "D" Fertilizer—Guarantee..... | 10.00 | 1.65 | 1.00 | 19.80 |
| 24901 | Analysis..... | 8.46 | 1.94 | 1.00 | 19.11 |
| 24954 | Analysis..... | 9.64 | 1.88 | 1.14 | 20.46 |
| 25127 | Analysis..... | 9.00 | 1.71 | 1.21 | 19.09 |
| | Swift's Diamond "I" Fertilizer—Guarantee..... | 7.00 | 3.70 | 4.00 | 28.00 |
| 24532 | Analysis..... | 6.95 | 3.27 | 3.63 | 25.78 |
| 24542 | Analysis..... | 6.03 | 3.18 | 3.76 | 24.47 |
| | Swift's East Texas Trucker—Guarantee..... | 8.00 | 2.47 | 3.00 | 23.08 |
| 24581 | Analysis..... | 7.04 | 2.69 | 2.98 | 22.83 |
| 24606 | Analysis..... | 8.52 | 1.93 | 3.46 | 22.09 |
| | Swift's Garden City Phosphate—Guarantee..... | 14.00 | ..... | ..... | 16.80 |
| 24592 | Analysis..... | 15.52 | ..... | ..... | 18.60 |
| | Swift's High Grade Acid Phosphate—Guarantee..... | 16.00 | ..... | ..... | 19.20 |
| 24726 | Analysis..... | 17.35 | ..... | ..... | 20.82 |
| 24885 | Analysis..... | 17.63 | ..... | ..... | 21.16 |
| 24886 | Analysis..... | 19.19 | ..... | ..... | 23.03 |
| 24984 | Analysis..... | 18.42 | ..... | ..... | 22.10 |
| 25099 | Analysis..... | 16.29 | ..... | ..... | 19.55 |
| 25124 | Analysis..... | 18.80 | ..... | ..... | 22.56 |
| | Swift's High Grade Phosphate and Potash—Guarantee..... | 10.00 | 4.00 | ..... | 16.80 |
| 24569 | Analysis..... | 9.90 | 4.23 | ..... | 16.96 |
| 25009 | Analysis..... | 7.62 | 3.53 | ..... | 13.38 |
| | Swift's Special Vegetable Fertilizer—Guarantee..... | 8.00 | 2.05 | 6.00 | 25.00 |
| 24560 | Analysis..... | 7.52 | 2.46 | 5.42 | 25.36 |
| 24605 | Analysis..... | 7.13 | 2.29 | 5.07 | 23.80 |
| | Swift's Superphosphate (Potash Ammoniated)—Guarantee..... | 8.00 | 1.65 | 2.00 | 18.60 |
| 24582 | Analysis..... | 7.46 | 1.97 | 2.26 | 19.54 |
| 24992 | Analysis..... | 7.35 | 1.72 | 1.83 | 17.90 |
| 25003 | Analysis..... | 6.91 | 2.08 | 2.09 | 19.12 |
| | Texas Fertilizer Factory, Marshall, Texas— | | | | |
| | Standard Cotton and Corn Special—Guarantee..... | 10.00 | 1.65 | 1.00 | 19.80 |
| 24813 | Analysis..... | 10.93 | 2.10 | 1.27 | 23.04 |
| 24880 | Analysis..... | 10.25 | 1.95 | 1.31 | 21.67 |
| | Tipton, Griffin & Tipton, Troup, Texas— | | | | |
| | Smith-Cherokee Acid Phosphate—Guarantee..... | 16.00 | ..... | ..... | 19.20 |
| 24849 | Analysis..... | 16.85 | ..... | ..... | 20.22 |
| | Virginia-Carolina Chemical Co., Shreveport, La.— | | | | |
| | BBB Beef Blood and Bone—Guarantee..... | 10.00 | 1.65 | 1.00 | 19.80 |
| 24613 | Analysis..... | 10.13 | 1.48 | 1.45 | 19.82 |
| 24859 | Analysis..... | 10.80 | 1.66 | 1.20 | 21.04 |
| 24863 | Analysis..... | 11.08 | 1.94 | 1.05 | 22.32 |
| 25028 | Analysis..... | 11.85 | 1.24 | 1.17 | 20.58 |
| | Eureka Complete Fertilizer—Guarantee..... | 10.00 | 1.65 | 4.00 | 23.40 |
| 25089 | Analysis..... | 11.25 | 1.85 | 3.97 | 25.66 |
| | Georgia State Grange—Guarantee..... | 10.00 | 1.65 | 1.00 | 19.80 |
| 24631 | Analysis..... | 10.02 | 1.98 | 1.68 | 21.96 |
| 24701 | Analysis..... | 9.64 | 1.96 | 2.09 | 21.92 |
| 24704 | Analysis..... | 10.12 | 2.07 | 1.31 | 21.99 |
| 24848 | Analysis..... | 11.47 | 2.01 | .70 | 22.96 |
| 24864 | Analysis..... | 12.12 | 2.13 | .67 | 23.86 |
| 24947 | Analysis..... | 11.57 | 2.06 | .87 | 23.16 |
| 24983 | Analysis..... | 10.96 | 1.96 | 1.04 | 22.24 |
| 25027 | Analysis..... | 12.25 | 1.45 | .61 | 21.23 |
| 25040 | Analysis..... | 12.24 | 1.57 | .54 | 21.52 |
| 25073 | Analysis..... | 11.87 | 1.70 | .67 | 21.84 |
| | German Kainit—Guarantee..... | ..... | ..... | 12.00 | 14.40 |
| 24689 | Analysis..... | ..... | ..... | 12.06 | 14.47 |
| | Mobile Double Eagle Guano—Guarantee..... | 10.00 | 1.65 | 1.50 | 20.40 |
| 24595 | Analysis..... | 8.14 | 2.94 | 2.61 | 24.66 |
| 24627 | Analysis..... | 10.27 | 1.94 | 1.63 | 22.04 |

Table I—Analyses of Commercial Fertilizers, Season of 1912-1913.

| Laboratory Number | Manufacturer, Place of Business and Brand. | Phosphoric Acid Available Per Cent. | Nitrogen—Per Cent. | Potash—Per Cent. | Valuation. |
|-------------------|--|-------------------------------------|--------------------|------------------|------------|
| | Virginia Carolina Chemical Co., Shreveport, La.—cont'd. | | | | |
| | Mobile Double Eagle Guano—Guarantee—continued. | | | | |
| 24774 | Analysis | 10.25 | 1.65 | 2.28 | \$21.68 |
| 24895 | Analysis | 10.05 | 1.99 | 1.91 | 22.31 |
| 24913 | Analysis | 10.71 | 1.80 | 1.94 | 22.38 |
| 24944 | Analysis | 9.36 | 2.31 | 1.37 | 22.11 |
| 25078 | Analysis | 12.63 | 1.78 | 1.01 | 23.48 |
| 25096 | Analysis | 11.20 | 1.44 | 1.66 | 21.19 |
| | Nitrate of Soda—Guarantee | | 14.84 | | 59.20 |
| 25024 | Analysis | | 14.84 | | 59.36 |
| | Royal Blood Bone and Potash—Guarantee | 10.00 | 1.65 | 1.50 | 20.40 |
| 24925 | Analysis | 11.34 | 1.31 | 1.60 | 20.77 |
| | Royal Fruit Grower—Guarantee | 8.00 | 2.47 | 5.00 | 25.48 |
| 24679 | Analysis | 7.25 | 2.46 | 4.24 | 23.61 |
| | Royal Cotton Boll Guano—Guarantee | 8.00 | 1.65 | 2.00 | 18.60 |
| 25061 | Analysis | 9.42 | 1.37 | 2.04 | 19.23 |
| | Royal High Grade Guano—Guarantee | 10.00 | 1.65 | 2.00 | 21.00 |
| 24654 | Analysis | 9.03 | 1.82 | 3.67 | 22.52 |
| 24842 | Analysis | 11.02 | 1.15 | 1.94 | 20.15 |
| | Royal Potash Compound—Guarantee | 10.00 | | 4.00 | 16.80 |
| 25041 | Analysis | 11.99 | | 2.23 | 17.07 |
| | Royal Tomato Formula—Guarantee | 10.00 | 2.47 | 1.00 | 23.08 |
| 24702 | Analysis | 10.27 | 2.09 | 1.35 | 22.34 |
| | Royal Vegetable Fertilizer—Guarantee | 8.00 | 2.47 | 4.00 | 24.28 |
| 24657 | Analysis | 7.62 | 2.12 | 3.18 | 21.44 |
| 24699 | Analysis | 9.92 | 2.55 | 2.95 | 25.64 |
| 24988 | Analysis | 9.98 | 2.29 | 2.66 | 24.33 |
| 25021 | Analysis | 9.25 | 2.78 | 3.47 | 26.22 |
| | Scott's Gossypium Phospho—Guarantee | 10.00 | 1.65 | 1.54 | 20.40 |
| 24624 | Analysis | 10.74 | 1.81 | 1.82 | 22.34 |
| 24628 | Analysis | 9.80 | 1.72 | 1.64 | 20.61 |
| 24684 | Analysis | 8.17 | 2.20 | 2.20 | 21.24 |
| 24834 | Analysis | 11.94 | 1.96 | .83 | 23.17 |
| 24928 | Analysis | 13.03 | 1.53 | .76 | 22.67 |
| 25065 | Analysis | 10.48 | 2.05 | 1.65 | 22.76 |
| 25090 | Analysis | 11.63 | 1.33 | 1.48 | 21.06 |
| 25129 | Analysis | 12.17 | 1.65 | 1.57 | 23.08 |
| | Scott's Gossypium Phospho Special—Guarantee | 10.00 | 1.65 | 2.00 | 21.00 |
| 24770 | Analysis | 10.51 | 2.02 | 3.15 | 24.47 |
| 25100 | Analysis | 11.92 | 1.70 | 1.68 | 23.12 |
| 25013 | Analysis | 12.05 | 1.67 | 1.79 | 23.29 |
| 25046 | Analysis | 11.25 | 2.03 | 1.37 | 23.25 |
| | Scott's H. G. Acid Phosphate—Guarantee | 14.00 | | | 16.80 |
| 24597 | Analysis | 16.42 | | | 19.70 |
| 24695 | Analysis | 15.98 | | | 19.18 |
| 24705 | Analysis | 15.89 | | | 19.07 |
| 25094 | Analysis | 16.16 | | | 19.39 |
| | Scott's Potasso Phospho—Guarantee | 12.00 | | 2.00 | 16.80 |
| 24818 | Analysis | 12.39 | | 2.00 | 17.27 |
| 24832 | Analysis | 14.57 | | 1.55 | 19.34 |
| 25133 | Analysis | 15.45 | | .82 | 19.52 |
| 25001 | Analysis | 13.55 | | 2.09 | 18.77 |
| | Scott's State Standard Guano—Guarantee | 8.00 | 1.65 | | 18.60 |
| 24772 | Analysis | 10.04 | 1.82 | 2.10 | 21.85 |
| 24948 | Analysis | 11.92 | 1.85 | .92 | 22.80 |
| | Sulphate of Potash—Guarantee | | | 48.00 | 57.60 |
| 25079 | Analysis | | | 46.07 | 55.28 |
| | V. 3 C. Fruit and Truck Special—Guarantee | 6.00 | 3.30 | 8.00 | 30.00 |
| 25042 | Analysis | 9.14 | 2.20 | 5.30 | 26.13 |
| | V. C. C. Co's 16 Per Cent Acid Phosphate—Guarantee | 16.00 | | | 19.20 |
| 24791 | Analysis | 17.01 | | | 20.41 |
| 24867 | Analysis | 16.40 | | | 19.68 |
| 24894 | Analysis | 17.91 | | | 21.49 |
| 24955 | Analysis | 16.73 | | | 20.08 |
| 24990 | Analysis | 17.47 | | | 20.96 |
| 24993 | Analysis | 15.66 | | | 18.79 |
| 25014 | Analysis | 16.87 | | | 20.24 |
| 25018 | Analysis | 16.98 | | | 20.38 |
| 25057 | Analysis | 17.50 | | | 21.00 |
| 25074 | Analysis | 15.42 | | | 18.50 |
| | V. C. C. Co's Truck Grower—Guarantee | 8.00 | 2.06 | 6.00 | 24.84 |
| 24646 | Analysis | 8.32 | 1.97 | 6.22 | 25.32 |

Table I—Analyses of Commercial Fertilizers, Season of 1912-1913.

| Laboratory Number. | Manufacturer, Place of Business and Brand. | Phosphoric Acid Available Per Cent. | Nitrogen—Per Cent. | Potash—Per Cent. | Valuation. |
|--------------------|---|-------------------------------------|--------------------|------------------|------------|
| | Virginia-Carolina Chemical Co.—continued. | | | | |
| | V. C. High Grade Guano—Guarantee..... | 10.00 | 1.65 | 2.00 | \$21.00 |
| 24786 | Analysis..... | 10.96 | 1.34 | 3.27 | 22.43 |
| | High Grade Top Dresser—Guarantee..... | 4.00 | 6.17 | 1.50 | 31.28 |
| 25044 | Analysis..... | 9.19 | 2.69 | 3.15 | 25.57 |
| | V. C. High Grade XXX Special—Guarantee..... | 8.00 | 2.47 | 1.00 | 20.68 |
| 24596 | Analysis..... | 8.76 | 2.14 | 2.33 | 21.68 |
| 24616 | Analysis..... | 7.24 | 3.05 | 3.15 | 24.67 |
| | V. C. Rice Special—Guarantee..... | 10.00 | 1.65 | 2.00 | 21.00 |
| 25143 | Analysis..... | 11.19 | .86 | 2.43 | 19.79 |
| | V. C. Tomato Special—Guarantee..... | 10.00 | 2.47 | 1.50 | 23.68 |
| 24680 | Analysis..... | 9.19 | 2.66 | 2.25 | 24.37 |
| | J. S. Williams Fertilizer Co., Paris, Texas— | | | | |
| | Truck and Garden Fertilizer—Guarantee..... | 10.00 | 2.00 | 2.00 | 22.40 |
| 24789 | Analysis..... | 10.80 | 2.16 | 1.82 | 23.78 |
| | Williams Ranch Cotton Fertilizer—Guarantee..... | 10.50 | 1.65 | ..... | 19.20 |
| 24795 | Analysis..... | 12.20 | 1.64 | ..... | 21.20 |
| | Williams Ranch Fertilizer—Guarantee..... | 10.50 | 2.00 | ..... | 20.60 |
| 24804 | Analysis..... | 11.39 | 2.13 | ..... | 22.19 |
| | Geo. A. Wright, Palestine, Texas— | | | | |
| | Wright's Acid Phosphate—Guarantee..... | 14.00 | ..... | ..... | 16.80 |
| 25103 | Analysis..... | 14.05 | ..... | ..... | 16.87 |
| | Wright's Corn Fertilizer—Guarantee..... | 8.00 | 3.50 | 2.00 | 26.00 |
| 24746 | Analysis..... | 8.46 | 3.93 | 2.20 | 26.11 |
| 25104 | Analysis..... | 8.29 | 3.62 | 2.60 | 27.55 |
| | Wright's Cotton Fertilizer—Guarantee..... | 8.00 | 2.00 | 2.00 | 20.00 |
| 24760 | Analysis..... | 8.69 | 2.35 | 2.09 | 22.34 |
| 25106 | Analysis..... | 10.22 | 2.21 | 1.92 | 23.40 |
| 25004 | Analysis..... | 10.30 | 2.67 | 2.20 | 25.68 |
| | Wright's Vegetable Fertilizer—Guarantee..... | 6.00 | 3.50 | 3.50 | 25.40 |
| 24756 | Analysis..... | 5.68 | 3.52 | 5.45 | 27.44 |

Table II—Registration of Commercial Fertilizers, Season of 1912-1913.

| Manufacturer, Place of Business and Brand. | Phosphoric Acid— Available Per Cent. | Nitrogen—Per Cent. | Potash—Per Cent. | Valuation. |
|--|--|-----------------------|---------------------|------------|
| E. C. Allison, Carthage, Texas— | | | | |
| Allison's Acid Phosphate..... | 16.00 | | | \$19.20 |
| Arkansas Fertilizer Co., Little Rock, Ark.— | | | | |
| White Diamond Ammoniated Bone Superphosphate..... | 9.00 | 1.65 | 2.00 | 19.80 |
| White Diamond East Texas High Grade Trucker..... | 10.00 | 2.47 | 1.00 | 23.08 |
| White Diamond High Grade Acid Phosphate..... | 14.00 | | | 16.80 |
| White Diamond High Grade Bermuda Special..... | 9.00 | 2.00 | 5.00 | 24.80 |
| White Diamond High Grade Cotton Fertilizer..... | 10.00 | 2.00 | 2.50 | 23.00 |
| White Diamond High Grade Corn Fertilizer..... | 9.00 | 2.00 | 3.00 | 22.40 |
| White Diamond High Grade Early Potato and Trucker..... | 8.00 | 2.47 | 4.00 | 24.28 |
| White Diamond High Grade Kali Superphosphate..... | 12.00 | | 2.00 | 16.80 |
| White Diamond High Grade Nitrated Superphosphate..... | 8.00 | 2.47 | 4.00 | 24.28 |
| White Diamond High Grade Orchard Fertilizer..... | 7.00 | 1.65 | 8.00 | 24.60 |
| White Diamond High Grade Phospho Kainit..... | 10.00 | | 4.00 | 16.80 |
| White Diamond Kainit..... | | | 12.00 | 14.40 |
| White Diamond Muriate of Potash..... | | | 50.00 | 60.00 |
| White Diamond Nitrate of Soda..... | | 15.00 | | 60.00 |
| White Diamond Special High Grade Acid Phosphate..... | 16.00 | | | 19.20 |
| White Diamond Standard Grade Corn Grower..... | 8.00 | 1.65 | 3.00 | 19.80 |
| White Diamond Standard Grade Meal Base..... | 9.00 | 1.65 | 2.00 | 19.80 |
| White Diamond Standard Grade Peanut Fertilizer..... | 9.00 | .82 | 4.00 | 18.88 |
| White Diamond Standard Grade Phospho Meal..... | 11.00 | 1.65 | | 19.80 |
| White Diamond Standard Grade Prize Winner..... | 8.00 | 1.65 | 2.00 | 18.60 |
| White Diamond Standard Grade Southern Special..... | 10.00 | 1.65 | 1.50 | 20.40 |
| White Diamond Standard Grade Texas Special..... | 10.00 | 1.65 | 1.00 | 19.80 |
| White Diamond Standard Grade Vegetable Fertilizer..... | 7.00 | 2.00 | 3.00 | 20.00 |
| White Diamond Twentieth Century Fertilizer..... | 9.00 | 1.65 | 2.00 | 19.80 |
| White Diamond Young's High Grade Special..... | 7.00 | 2.47 | 5.00 | 24.28 |
| Armour Fertilizer Works, New Orleans, La., and Fort Worth, Texas— | | | | |
| Armour's African Cotton Grower..... | 9.00 | 2.47 | 3.00 | 24.28 |
| Armour's Cottonseed Meal Special..... | 10.00 | 1.65 | 1.50 | 19.80 |
| Armour's Cotton and Corn..... | 10.00 | .82 | 1.00 | 14.68 |
| Armour's Cotton Special..... | 10.00 | 1.65 | 1.50 | 19.80 |
| Armour's King Cotton..... | 8.00 | 1.65 | 2.00 | 18.60 |
| Armour's Kainit..... | | | 12.00 | 14.40 |
| Armour's Muriate of Potash..... | | | 50.00 | 60.00 |
| Armour's Nitrate of Soda..... | | 14.81 | | 59.24 |
| Armour's Onion Fertilizer No. 1..... | 8.00 | 3.29 | 8.00 | 32.36 |
| Armour's Onion Fertilizer No. 2..... | 8.00 | 2.47 | 4.00 | 24.28 |
| Armour's Onion Fertilizer No. 3..... | 8.00 | 3.29 | 6.00 | 29.96 |
| Armour's Onion Fertilizer No. 4..... | 3.00 | 4.11 | 5.00 | 26.04 |
| Armour's Onion Fertilizer No. 5..... | 3.00 | 4.94 | 3.00 | 26.96 |
| Armour's Onion Fertilizer No. 6..... | 4.00 | 4.94 | 7.00 | 32.96 |
| Armour's Onion Fertilizer No. 7..... | 6.00 | 3.29 | 3.00 | 23.96 |
| Armour's Onion Fertilizer No. 8..... | 6.00 | 3.29 | 6.00 | 27.56 |
| Armour's Onion Fertilizer No. 9..... | 10.00 | 2.47 | 6.00 | 29.08 |
| Armour's Orange Grower No. 1..... | 7.00 | 2.47 | 5.00 | 24.28 |
| Armour's Orange Grower No. 2..... | 8.00 | 1.65 | 2.00 | 18.60 |
| Armour's Phosphate and Potash No. 102..... | 10.00 | | 2.00 | 14.40 |
| Armour's Phosphate and Potash No. 104..... | 10.00 | | 4.00 | 16.80 |
| Armour's Phosphate and Potash No. 1208..... | 12.00 | | 8.00 | 24.00 |
| Armour's Potato Grower..... | 10.00 | 2.47 | 6.00 | 29.08 |
| Armour's Raw Bone Meal..... | *22.00 | 3.70 | | 31.66 |
| Armour's Raw Bone Superphosphate with Potash..... | 9.50 | 1.65 | 1.50 | 19.80 |
| Armour's Rice Grower..... | 12.00 | | 2.00 | 16.80 |
| Armour's Special Blood and Bone Mixture..... | 9.50 | 1.65 | 1.50 | 19.80 |
| Armour's Special Texas Formula..... | 10.00 | 1.65 | 2.00 | 21.00 |
| Armour's 14% Shield Phosphate..... | 14.00 | | | 16.80 |
| Armour's 16% Star Phosphate..... | 16.00 | | | 19.20 |
| Armour's Sulphate of Potash..... | | | 48.00 | 57.60 |
| Armour's Strawberry Grower..... | 6.00 | 1.65 | 5.00 | 19.80 |
| Armour's Sandy High Land Special..... | 10.00 | 1.65 | 1.50 | 19.80 |
| Armour's Special Cabbage Grower..... | 8.00 | 1.65 | 3.00 | 19.80 |
| Armour's Truck Special No. 2..... | 8.00 | 1.65 | 3.00 | 19.80 |
| Armour's Truck Special..... | 7.00 | 4.11 | 6.00 | 32.04 |
| Armour's Vegetable Grower..... | 9.00 | 2.05 | 3.00 | 22.60 |

*Total.

Table II—Registration of Commercial Fertilizers, Season of 1912-1913.

| Manufacturer, Place of Business and Brand. | Phosphoric Acid Available Per Cent. | Nitrogen—Per Cent. | Potash—Per Cent. | Valuation. |
|---|---|-----------------------|---------------------|------------|
| Geo. L. Barber, Jacksonville, Texas— | | | | |
| Barber's 14 Per Cent Phosphate..... | 14.00 | ..... | ..... | 16.80 |
| Barber's 16 Per Cent Phosphate..... | 16.00 | ..... | ..... | 19.20 |
| Barber's Nitrate of Soda..... | ..... | 14.00 | ..... | 56.00 |
| The Bowie County Cotton Oil Co., New Boston, Texas— | | | | |
| Bowie Acid Phosphate 16 Per Cent..... | 16.00 | ..... | ..... | 19.20 |
| Bowie Cottonseed Meal..... | 2.00 | 7.00 | ..... | 30.40 |
| Bowie Kainit..... | ..... | ..... | 12.00 | 14.40 |
| Bryan Cotton Oil and Fertilizer Co., Bryan, Texas— | | | | |
| Star Brand Acid Phosphate..... | 14.00 | ..... | ..... | 16.80 |
| Star Brand Cotton and Corn..... | 11.50 | 1.80 | ..... | 21.00 |
| Star Brand Cotton Fertilizer..... | 10.00 | 1.80 | 2.00 | 21.60 |
| Star Brand Kainit..... | ..... | ..... | 12.00 | 14.40 |
| Star Brand Phospho Special..... | 11.00 | 2.00 | ..... | 20.00 |
| Star Brand Potato Fertilizer..... | 8.00 | 3.50 | ..... | 23.60 |
| W. S. Carter & Bro., Camden, Texas— | | | | |
| Carter 16 Per Cent Acid Phosphate..... | 16.00 | ..... | ..... | 19.20 |
| Carthage Fertilizer Co., Carthage, Texas— | | | | |
| Carthage Acid Phosphate..... | 16.00 | ..... | ..... | 19.20 |
| Carthage Corn Special..... | 9.00 | 2.00 | 1.75 | 20.90 |
| Carthage Corn and Cotton Grower..... | 10.00 | 1.65 | 1.00 | 19.80 |
| Carthage Triumph..... | 10.00 | 1.65 | 1.00 | 19.80 |
| The Clarksville Cotton Oil Co., Clarksville, Texas— | | | | |
| Acid Phosphate..... | 16.00 | ..... | ..... | 19.20 |
| Cottonseed Meal..... | ..... | 7.00 | ..... | 28.00 |
| Kainit..... | ..... | ..... | 12.00 | 14.40 |
| Consumers Fertilizer Co., Shreveport, La.— | | | | |
| Harris Special..... | 8.00 | 5.00 | 4.00 | 34.40 |
| Three States Acid Phosphate..... | 14.00 | ..... | ..... | 16.80 |
| Three States Cotton "A"..... | 10.00 | 1.65 | 1.00 | 19.80 |
| Three States Cotton "B"..... | 9.00 | 2.05 | 1.00 | 20.20 |
| Three States Cotton "C"..... | 8.00 | 1.65 | 2.00 | 18.60 |
| Three States Cotton "D"..... | 10.00 | 1.65 | 1.50 | 20.40 |
| Three States Cotton "E"..... | 10.00 | 1.65 | 2.00 | 21.00 |
| Three States Vegetable..... | 8.00 | 2.50 | 5.00 | 25.60 |
| Tri-State Acid Phosphate..... | 16.00 | ..... | ..... | 19.20 |
| Tri-State Cotton..... | 9.50 | 1.85 | 1.00 | 20.00 |
| Tri-State Corn..... | 7.50 | 2.90 | 1.00 | 21.80 |
| Tri-State Special..... | 11.00 | 2.67 | 1.00 | 25.08 |
| East Texas Fertilizer Co., Tyler, Texas— | | | | |
| 14 Per Cent Acid Phosphate..... | 14.00 | ..... | ..... | 16.80 |
| 16 Per Cent Acid Phosphate..... | 16.00 | ..... | ..... | 19.20 |
| East Texas Crop Grower..... | 8.00 | 3.00 | 3.00 | 25.20 |
| East Texas Corn and Cotton Grower..... | 8.00 | 2.00 | 2.00 | 20.00 |
| Muriate of Potash..... | ..... | ..... | 48.00 | 57.60 |
| Wiley's Corn and Cotton..... | 10.00 | 2.00 | 2.00 | 22.40 |
| Wiley's Tomato Special..... | 9.00 | 2.80 | ..... | 22.00 |
| Farmers and Ginn's Cotton Oil Co., Sulphur Springs, Texas— | | | | |
| Acid Phosphate..... | 14.00 | ..... | ..... | 16.80 |
| Farmers Oil and Fertilizer Co., Texarkana, Texas— | | | | |
| Farmer's Acid Phosphate..... | 14.00 | ..... | ..... | 16.80 |
| Farmer's Cotton Fruiter..... | 10.00 | .83 | 1.00 | 16.28 |
| Farmer's Corn Fertilizer..... | 8.00 | 1.65 | 3.00 | 19.80 |
| Farmer's Cotton Fertilizer..... | 9.00 | 1.65 | 2.00 | 19.80 |
| Farmer's Fruit Maker..... | 10.00 | ..... | 4.00 | 16.80 |
| Farmer's German Kainit..... | ..... | ..... | 12.00 | 14.40 |
| Farmer's High Grade Acid Phosphate..... | 16.00 | ..... | ..... | 19.20 |
| Farmer's Low Grade Potato Fertilizer..... | 10.00 | .83 | 2.00 | 17.72 |
| Farmer's Nitrate of Soda..... | ..... | 14.96 | ..... | 59.84 |
| Farmer's Peanut Fertilizer..... | 10.00 | .83 | 5.00 | 21.32 |
| Farmer's Truck Fertilizer..... | 8.00 | 2.47 | 4.00 | 24.28 |
| Federal Chemical Co., Columbia, Tenn.— | | | | |
| Tennessee Brown Phosphate Rock..... | *29.75 | ..... | ..... | ..... |
| *Total. | | | | |

Table II—Registration of Commercial Fertilizers, Season of 1912-1913.

| Manufacturer, Place of Business and Brand. | Phosphoric Acid— Available Per Cent. | Nitrogen—Per Cent. | Potash—Per Cent. | Valuation. |
|--|--|-----------------------|---------------------|------------|
| Fidelity Chemical Corporation, Houston, Texas— | | | | |
| Fidelity 16% Acid Phosphate..... | 16.00 | ..... | ..... | 19.20 |
| Fidelity 14% Acid Phosphate..... | 14.00 | ..... | ..... | 16.80 |
| Fidelity Ammoniated Bone Meal..... | *20.50 | 3.70 | ..... | 30.46 |
| Fidelity Ammoniated Rice Fertilizer..... | 12.00 | 1.65 | 2.00 | 23.40 |
| Fidelity Ammoniated Superphosphate and Potash..... | 10.00 | 1.65 | 1.00 | 19.80 |
| Fidelity Bone Meal Fertilizer..... | *27.00 | 1.00 | ..... | 25.40 |
| Fidelity Cotton Standard..... | 8.00 | 2.06 | 1.50 | 19.66 |
| Fidelity Cotton Special..... | 10.00 | 1.65 | 2.00 | 21.00 |
| Fidelity Cotton Special No. 2..... | 10.00 | 1.65 | 1.50 | 20.40 |
| Fidelity Cereal Cultivator..... | 6.50 | 2.47 | 1.00 | 18.88 |
| Fidelity Citrus Grower..... | 7.00 | 2.88 | 8.00 | 29.52 |
| Fidelity Kainit..... | ..... | ..... | 12.00 | 14.40 |
| Fidelity Laredo Special..... | 5.00 | 3.87 | 8.00 | 31.08 |
| Fidelity Lone Star Special..... | 10.00 | 1.65 | 6.00 | 25.80 |
| Fidelity Muriate of Potash..... | ..... | ..... | 50.00 | 60.00 |
| Fidelity Nitrate of Soda..... | ..... | 15.00 | ..... | 60.00 |
| Fidelity Onion Special No. 1..... | 6.70 | 4.50 | 5.50 | 32.64 |
| Fidelity Onion Special No. 2..... | 5.00 | 5.75 | 5.30 | 35.36 |
| Fidelity Orange Special..... | 7.00 | 2.88 | 5.00 | 25.92 |
| Fidelity Potato Special..... | 7.00 | 2.06 | 3.00 | 20.24 |
| Fidelity Peerless Trucker..... | 8.00 | 2.47 | 5.00 | 25.48 |
| Fidelity Regal Compound..... | 10.00 | ..... | 4.00 | 16.80 |
| Fidelity Rice Planter..... | 12.00 | ..... | 2.00 | 16.80 |
| Fidelity Sulphate of Ammonia..... | ..... | 20.50 | ..... | 82.00 |
| Fidelity Sulphate of Potash..... | ..... | ..... | 48.00 | 57.60 |
| Fidelity Strawberry Special..... | 6.00 | 2.47 | 5.00 | 23.08 |
| Fidelity Truck Grower..... | 8.00 | 2.47 | 8.00 | 29.08 |
| Gate City Fertilizer Co., Texarkana, Ark.— | | | | |
| Red Ball Extra High Grade Acid Phosphate..... | 16.00 | ..... | ..... | 19.20 |
| Red Ball High Grade Acid Phosphate..... | 14.00 | ..... | ..... | 16.80 |
| Red Ball High Grade Cotton and Corn Fertilizer..... | 10.00 | 2.00 | 2.50 | 23.00 |
| Red Ball High Grade Early Trucker..... | 8.00 | 2.47 | 4.00 | 24.28 |
| Red Ball High Grade Orangeburg Trucker..... | 9.00 | 3.00 | 1.00 | 24.00 |
| Red Ball High Grade Potash Acid Fertilizer..... | 10.00 | ..... | 4.00 | 16.80 |
| Red Ball Kainit..... | ..... | ..... | 12.00 | 14.40 |
| Red Ball Muriate of Potash..... | ..... | ..... | 50.00 | 60.00 |
| Red Ball Nitrate of Soda..... | ..... | 15.00 | ..... | 60.00 |
| Red Ball Standard Grade Complete Fertilizer..... | 10.00 | 1.65 | 1.00 | 19.80 |
| Red Ball Standard Grade Cotton Fertilizer..... | 9.00 | 1.65 | 2.00 | 19.80 |
| Red Ball Standard Grade Four State Fertilizer..... | 8.00 | 1.65 | 2.00 | 18.60 |
| Red Ball Standard Grade Soluble Bone..... | 8.00 | 1.65 | 2.00 | 18.60 |
| Red Ball Southern Corn Grower..... | 8.00 | 1.65 | 3.00 | 19.80 |
| Red Ball Sulphate of Potash..... | ..... | ..... | 48.00 | 57.60 |
| Red Ball Spanish Peanut Fertilizer..... | 9.00 | .82 | 4.00 | 18.88 |
| German Kali Works, New York, N. Y.; New Orleans, La.— | | | | |
| Kainit..... | ..... | ..... | 12.00 | 14.40 |
| Muriate of Potash..... | ..... | ..... | 48.00 | 57.60 |
| Sulphate of Potash..... | ..... | ..... | 47.00 | 56.20 |
| Hillje Bros., Weimar, Texas— | | | | |
| Weimar Cotton Producer..... | 10.25 | 2.75 | ..... | 23.30 |
| Acid Phosphate..... | 14.00 | ..... | ..... | 16.80 |
| Houston Packing Co., Houston, Texas— | | | | |
| Tankage..... | *10.40 | 5.54 | ..... | 29.37 |
| Acid Phosphate..... | 14.00 | ..... | ..... | 16.80 |
| Blood and Bone..... | *14.50 | 5.60 | ..... | 32.88 |
| Kainit..... | ..... | ..... | 12.00 | 14.40 |
| Special Corn and Cotton Grower..... | 10.00 | 1.65 | 2.00 | 21.00 |
| Huntsville Cotton Oil Co., Huntsville, Texas— | | | | |
| Acid Phosphate..... | 14.00 | ..... | ..... | 16.80 |
| Huntsville High Grade..... | 8.70 | 2.80 | 2.80 | 25.00 |
| Phosphate and Meal..... | 8.50 | 3.50 | ..... | 24.20 |

*Total.

Table II—Registration of Commercial Fertilizers, Season of 1912-1913.

| Manufacturer, Place of Business and Brand. | Phosphoric Acid Available Per Cent. | Nitrogen—Per Cent. | Potash—Per Cent. | Valuation. |
|---|---|-----------------------|---------------------|------------|
| Houston County Oil Mill and Mfg. Co., Crockett, Texas— | | | | |
| Crockett Compound..... | 9.00 | 2.87 | 1.25 | 23.78 |
| Crockett Cotton Standard..... | 10.00 | 2.05 | 1.75 | 22.30 |
| Crockett Cereal Standard..... | 8.00 | 2.26 | 2.00 | 21.04 |
| Crockett Grower..... | 5.00 | 3.90 | 2.50 | 24.60 |
| Crockett Imperial Fruiter..... | 10.00 | 1.15 | 2.00 | 19.00 |
| Kainit..... | | | 12.00 | 14.40 |
| Crockett Muriate of Potash..... | | | 50.00 | 60.00 |
| Crockett Nitrate of Soda..... | | 15.00 | | 60.00 |
| Crockett Onion Grower..... | 5.00 | 5.75 | 5.30 | 35.36 |
| Crockett Phosphate Special..... | 11.00 | 1.23 | 1.00 | 19.32 |
| Crockett Planter's Triumph..... | 8.60 | 2.04 | 2.10 | 21.00 |
| Crockett Poor Land Special..... | 10.00 | 2.70 | 3.25 | 26.70 |
| Crockett Special Mixture..... | 10.60 | 1.76 | 1.10 | 21.08 |
| Fourteen Per Cent Acid Phosphate..... | 14.00 | | | 16.80 |
| Sixteen Per Cent Acid Phosphate..... | 16.00 | | | 19.20 |
| Crockett Sulphate of Potash..... | | | 48.00 | 57.60 |
| Crockett Vegetable Producer..... | 7.25 | 2.87 | 5.50 | 26.78 |
| Industrial Cotton Oil Co., Houston, Texas— | | | | |
| Industrial Acid Phosphate Longhorn Brand..... | 18.00 | | | 21.60 |
| Industrial Cane Grower Fertilizer Longhorn Brand..... | 7.00 | 5.00 | | 28.40 |
| Industrial Corn Grower Fertilizer Longhorn Brand..... | 10.00 | 1.65 | 2.00 | 21.00 |
| Industrial Cotton Grower Fertilizer Longhorn Brand..... | 10.00 | 1.65 | 2.00 | 21.00 |
| Industrial 14 Per Cent Acid Phosphate Longhorn Brand..... | 14.00 | | | 16.80 |
| Industrial Rice Grower Longhorn Brand..... | 12.00 | | 2.00 | 16.80 |
| Industrial 16 Per Cent Acid Phosphate Longhorn Brand..... | 16.00 | | | 19.20 |
| Industrial Vegetable Grower Fertilizer Longhorn Brand..... | 7.00 | 2.00 | 4.00 | 21.20 |
| Jackson Fertilizer Co., Jackson, Miss.— | | | | |
| Big Horn Blood and Bone..... | 10.00 | 1.65 | 1.50 | 20.40 |
| High Grade 14 Per Cent Acid Phosphate..... | 14.00 | | | 16.80 |
| High Grade Red Band 16 Per Cent Acid Phosphate..... | 16.00 | | | 19.20 |
| Royal C Brand..... | 10.00 | 1.65 | 1.50 | 20.40 |
| Vegetable and Fruit Fertilizer..... | 6.00 | 2.50 | 4.00 | 22.00 |
| Lavaca Oil Co., Hallettsville, Texas— | | | | |
| Lavaca 14 Per Cent Acid Phosphate..... | 14.00 | | | 16.80 |
| Longview Cotton Oil Co., Longview, Texas— | | | | |
| Longview Cotton Special..... | 9.00 | 2.00 | 2.00 | 21.20 |
| Longview Corn Special..... | 8.00 | 3.00 | 2.00 | 24.00 |
| Longview 16 Per Cent Acid Phosphate..... | 16.00 | | | 19.20 |
| Robert P. Marbach, Bracken, Comal County, Texas— | | | | |
| Crude Bat Guano..... | 4.40 | 8.80 | | 40.48 |
| Compost of Bat Guano..... | 2.92 | 4.22 | | 20.38 |
| Marshall Fertilizer Factory, Marshall, Texas— | | | | |
| High Grade Acid Phosphate..... | 16.00 | | | 19.20 |
| High Grade Big Ball Prolific..... | 10.00 | 1.65 | 2.00 | 21.00 |
| Red Diamond Acid Phosphate..... | 14.00 | | | 16.80 |
| High Grade Vegetable Grower..... | 7.00 | 2.47 | 4.00 | 23.08 |
| Marshall Cotton Grower..... | 10.00 | 1.65 | 1.00 | 19.80 |
| Red Diamond Corn and Cotton Grower..... | 10.00 | 1.65 | 1.50 | 20.40 |
| Nitrate of Soda..... | | 15.25 | | 61.00 |
| Standard Cotton and Corn Grower..... | 10.00 | 1.65 | 1.00 | 19.80 |
| Kainit..... | | | 12.00 | 14.40 |
| Standard Grade Turner's Racket..... | 10.00 | 1.65 | 1.00 | 19.80 |
| Meridian Fertilizer Factory, Shreveport, La.— | | | | |
| Caddo Cotton..... | 9.00 | 1.85 | 1.00 | 19.40 |
| Caddo Special..... | 6.00 | 2.47 | 7.00 | 25.48 |
| Caddo Vegetable..... | 8.00 | 3.30 | 4.00 | 27.60 |
| Meridian Ammoniated Rice Grower..... | 10.00 | 1.65 | 2.00 | 21.00 |
| Corn Grower..... | 7.50 | 2.88 | 1.00 | 21.72 |
| Meridian Bone and Potash..... | 12.00 | | 2.00 | 16.80 |
| Meridian Blood and Bone..... | 10.00 | 1.65 | 1.00 | 19.80 |
| Meridian Cane Special No. 1..... | 4.00 | 5.35 | | 16.20 |
| Meridian Cotton and Corn Special..... | 9.00 | 2.47 | 3.00 | 24.28 |
| Meridian English Acid Phosphate..... | 12.00 | | | 14.40 |
| Meridian German Kainit..... | | | 12.00 | 14.40 |

Table II—Registration of Commercial Fertilizers, Season of 1912-1913.

| Manufacturer, Place of Business and Brand. | Phosphoric Acid— Available Per Cent. | Nitrogen—Per Cent. | Potash—Per Cent. | Valuation. |
|--|--|-----------------------|---------------------|------------|
| Meridian Fertilizer Factory, Shreveport, La.—continued. | | | | |
| Meridian Farmer's Friend..... | 9.00 | 1.65 | 1.00 | 18.60 |
| Meridian Ham Bone Guano..... | 10.00 | 1.65 | 1.50 | 20.40 |
| Meridian High Grade Top Dresser..... | 4.00 | 5.00 | 4.00 | 29.60 |
| Meridian High Grade Truck Fertilizer..... | 8.00 | 2.47 | 8.00 | 29.08 |
| Meridian Home Mixture..... | 10.00 | 1.65 | 1.00 | 19.80 |
| Meridian Meal Mixture..... | 10.00 | 1.65 | 1.00 | 19.80 |
| Meridian Nitrated Bone and Potash..... | 10.00 | 1.65 | 2.00 | 21.00 |
| Meridian Onion Special No. 1..... | 7.00 | 3.75 | 5.00 | 29.40 |
| Meridian Onion Special No. 2..... | 5.00 | 4.94 | 5.00 | 31.76 |
| Meridian Onion Special No. 3..... | 8.00 | 3.30 | 6.00 | 30.00 |
| Meridian Onion Special No. 4..... | 7.00 | 4.12 | 5.09 | 30.99 |
| Meridian Perfection Acid Phosphate..... | 17.00 | ..... | ..... | 20.40 |
| Meridian Perfection Blood Compound..... | 10.00 | 2.47 | 3.00 | 25.48 |
| Meridian Perfection Meal Compound..... | 10.00 | 2.47 | 3.00 | 25.48 |
| Meridian Perfection Potash Formula..... | 12.00 | ..... | 4.00 | 19.20 |
| Meridian Potash Compound..... | 10.00 | ..... | 4.00 | 16.80 |
| Meridian Potato Special..... | 8.00 | 3.30 | 2.00 | 25.20 |
| Meridian Rice Grower..... | 10.00 | ..... | 2.00 | 16.80 |
| Meridian Soluble Guano..... | 10.00 | 1.65 | 1.50 | 20.40 |
| Meridian Southern Acid Phosphate..... | 14.00 | ..... | ..... | 16.80 |
| Meridian Standard Cotton and Corn..... | 8.00 | 1.65 | 2.00 | 18.60 |
| Meridian Trucker Special..... | 9.00 | 1.65 | 2.00 | 19.80 |
| Meridian Tomato Special..... | 10.00 | 2.47 | 1.00 | 23.08 |
| Meridian Vegetable Grower..... | 8.00 | 2.47 | 5.00 | 25.48 |
| Muriate of Potash..... | ..... | ..... | 50.00 | 60.00 |
| Nitrate of Soda..... | ..... | 15.00 | ..... | 60.00 |
| Sulphate of Potash..... | ..... | ..... | 48.50 | 58.20 |
| Special Formula No. 1..... | 5.00 | 4.12 | 7.00 | 30.88 |
| Special Formula "A"..... | 8.50 | 3.30 | 3.80 | 27.96 |
| Special Formula "B"..... | 8.00 | ..... | 4.00 | 14.40 |
| Special Formula "C"..... | 5.00 | 4.12 | 9.00 | 33.28 |
| Special Formula "D"..... | 4.50 | 5.10 | 4.85 | 31.62 |
| Special Formula "F"..... | 8.00 | 3.30 | 6.00 | 30.00 |
| Special Formula "H"..... | 8.00 | 4.00 | 6.00 | 32.80 |
| Star..... | 10.00 | 1.65 | 1.00 | 19.80 |
| Texas Special..... | 10.00 | 2.72 | ..... | 22.88 |
| Union Special Acid Phosphate..... | 16.00 | ..... | ..... | 19.20 |
| Weevil Beater Guano..... | 10.00 | 1.65 | 1.00 | 19.80 |
| Wharton Potato Special..... | 7.00 | 2.47 | 6.00 | 25.48 |
| V. P. Monkress, Jacksonville, Texas— | | | | |
| Cherokee Acid Phosphate..... | 14.00 | ..... | ..... | 16.80 |
| Monkress 16 Per Cent Acid Phosphate..... | 16.00 | ..... | ..... | 19.20 |
| Nacogdoches Oil Mill, Nacogdoches, Texas— | | | | |
| Cariso Corn Grower..... | 7.00 | 3.29 | 1.00 | 22.76 |
| Loco Cotton Grower..... | 10.00 | 1.65 | 1.00 | 19.80 |
| Nacogdoches 16 Per Cent Acid Phosphate..... | 16.00 | ..... | ..... | 19.20 |
| Nacogdoches 12 Per Cent German Kainit..... | ..... | ..... | 12.00 | 14.40 |
| Sulphate of Potash..... | ..... | ..... | 48.00 | 57.60 |
| Tusco Cotton Phospho..... | 10.00 | 1.65 | 2.00 | 21.00 |
| New Orleans Acid and Fertilizer Co., New Orleans, La.— | | | | |
| Ammoniated Raw Bone Superphosphate and Potash..... | 10.00 | 1.65 | 1.00 | 20.40 |
| Blood, Bone and Potash..... | 10.00 | 1.65 | 1.00 | 20.40 |
| Black Diamond Acid Phosphate..... | 12.00 | ..... | ..... | 14.40 |
| Bull Dog Acid Phosphate..... | 16.00 | ..... | ..... | 19.20 |
| Crescent City Acid Phosphate..... | 12.00 | ..... | ..... | 14.40 |
| Dissolved Bone and Potash, 12-2..... | 12.00 | ..... | 2.00 | 16.80 |
| Dissolved Bone and Potash, 10-4..... | 10.00 | ..... | 4.00 | 16.80 |
| El Salvador Sugar Cane Grower No. 675..... | 7.00 | 5.00 | 5.00 | 34.40 |
| Economizer..... | 10.00 | 1.65 | 2.00 | 21.00 |
| Farmer's Cornucopia..... | 12.00 | 2.47 | 2.00 | 26.68 |
| Goldsmith's Improved Mixture..... | 10.00 | 1.65 | 1.00 | 19.80 |
| Golden Guano..... | 10.00 | 1.65 | 1.00 | 19.80 |
| Honduras Rice Grower..... | 12.00 | ..... | 4.00 | 19.20 |
| Kainit..... | ..... | ..... | 12.00 | 14.40 |
| Lone Star Blood Mixture..... | 10.00 | .82 | 1.00 | 16.48 |
| Lone Star Meal Mixture..... | 10.00 | .82 | 1.00 | 16.48 |
| Louisiana Plant Cane Grower..... | 6.00 | 3.30 | ..... | 20.40 |
| Louisiana Rice Grower..... | 10.00 | ..... | 2.00 | 14.40 |

Table II—Registration of Commercial Fertilizers, Season of 1912-1913.

| Manufacturer, Place of Business and Brand. | Phosphoric Acid— Available Per Cent. | Nitrogen—Per Cent. | Potash—Per Cent. | Valuation. |
|--|--|-----------------------|---------------------|------------|
| New Orleans Acid and Fertilizer Co., New Orleans, La.— continued. | | | | |
| Louisiana Stubble Cane Grower..... | 4.00 | 4.94 | ..... | 24.56 |
| Meal Ammoniated Superphosphate and Potash..... | 10.00 | 1.65 | 1.00 | 20.40 |
| Muriate of Potash..... | ..... | ..... | 50.00 | 60.00 |
| New Orleans Acid Phosphate..... | 14.00 | ..... | ..... | 16.80 |
| Nitrate of Soda..... | ..... | 15.00 | ..... | 60.00 |
| Special Sugar Cane Grower No. 67..... | 7.00 | 5.00 | ..... | 28.40 |
| Sulphate of Ammonia..... | ..... | 20.00 | ..... | 80.00 |
| Sulphate of Potash..... | ..... | ..... | 50.00 | 60.00 |
| Texas Onion Grower..... | 6.00 | 3.30 | 6.00 | 27.60 |
| Vegetable Grower..... | 6.00 | 2.47 | 4.00 | 21.88 |
| Well's Cotton and Corn Grower..... | 10.00 | 1.65 | 2.00 | 21.00 |
| Nitrate Agencies Co., New Orleans, La.— | | | | |
| Acid Phosphate 16 Per Cent..... | 16.00 | ..... | ..... | 19.20 |
| Kainit..... | ..... | ..... | 12.00 | 14.40 |
| Muriate of Potash..... | ..... | ..... | 50.00 | 60.00 |
| Nitrate of Soda..... | ..... | 15.00 | ..... | 60.00 |
| Sulphate of Potash..... | ..... | ..... | 48.00 | 57.60 |
| Pelican Fertilizer Works, Shreveport, La.— | | | | |
| Pelican Corn Grower..... | 7.00 | 2.47 | 2.00 | 20.68 |
| Pelican Cotton and Corn..... | 8.00 | 1.65 | 2.00 | 18.60 |
| Pelican Cotton Special..... | 10.00 | 1.65 | 1.00 | 19.80 |
| Pelican Fish Bone Fertilizer..... | 10.00 | 1.65 | 2.00 | 21.00 |
| Pelican Fish Formula..... | 10.00 | 1.65 | 1.00 | 19.80 |
| Pelican High Grade..... | 9.00 | 2.47 | 3.00 | 24.28 |
| Pelican Meal Compound..... | 10.00 | 1.65 | 1.00 | 19.80 |
| Pelican Potash and Bone..... | 12.00 | ..... | 2.00 | 16.80 |
| Pelican Potash and Superphosphate..... | 10.00 | ..... | 4.00 | 16.80 |
| Pelican Potato Special..... | 8.00 | 3.30 | 2.00 | 25.20 |
| Pelican Rice Formula..... | 10.00 | ..... | 2.00 | 14.40 |
| Pelican Special Phosphate..... | 16.00 | ..... | ..... | 19.20 |
| Pelican Tomato Special..... | 10.00 | 2.47 | 1.00 | 23.08 |
| Pelican Vegetable Grower..... | 8.00 | 2.47 | 4.00 | 24.28 |
| People's Cotton Oil Co., Sulphur Springs, Texas— | | | | |
| Acid Phosphate..... | 14.00 | ..... | ..... | 16.80 |
| Planters' Fertilizer and Chemical Co., New Orleans, La., and Fort Worth, Texas— | | | | |
| 14 Per Cent Acid Phosphate..... | 14.00 | ..... | ..... | 16.80 |
| 16 Per Cent Acid Phosphate..... | 16.00 | ..... | ..... | 19.20 |
| Planters' Cotton and Corn No. 1..... | 9.50 | 1.65 | 1.50 | 19.80 |
| Planters' Cotton Grower..... | 10.00 | 1.65 | 1.50 | 20.40 |
| Planters' Cane Fertilizer No. 106..... | 10.00 | 4.94 | ..... | 31.76 |
| Planters' Cornfield Brand..... | 10.00 | .82 | 1.00 | 16.48 |
| Planters' Golden Mixture..... | 9.50 | 1.65 | 1.50 | 19.80 |
| Planters' Kainit..... | ..... | ..... | 12.00 | 14.40 |
| Planters' Muriate of Potash..... | ..... | ..... | 50.00 | 60.00 |
| Planters' Nitrate of Soda..... | ..... | 14.81 | ..... | 59.24 |
| Planters' Orange Fertilizer..... | 8.00 | 1.65 | 3.00 | 19.80 |
| Planters' No. 102 Phosphate and Potash..... | 10.00 | ..... | 2.00 | 14.40 |
| Planters' No. 104 Phosphate and Potash..... | 10.00 | ..... | 4.00 | 16.80 |
| Planters' Potato Fertilizer No. 1..... | 8.00 | 2.05 | 6.00 | 25.00 |
| Planters' Potato Fertilizer No. 2..... | 8.00 | 2.47 | 4.00 | 24.28 |
| Planters' Raw Bone Superphosphate with Potash..... | 9.50 | 1.65 | 1.50 | 19.80 |
| Planters' Special Farm Mixture..... | 10.00 | 1.65 | 1.50 | 20.40 |
| Planters' Strawberry Fertilizer..... | 6.00 | 1.65 | 4.00 | 18.60 |
| Planters' Sulphate of Potash..... | ..... | ..... | 48.00 | 57.60 |
| Planters' Vegetable Grower..... | 7.00 | 2.47 | 3.50 | 22.48 |
| Planters' Stubbs' Formula for Cotton and Corn..... | 8.00 | 1.65 | 2.00 | 18.60 |
| Rockdale Oil Co., Rockdale, Texas— | | | | |
| Superior Brand Acid Phosphate..... | 14.00 | ..... | ..... | 16.80 |
| Superior Brand Corn and Cotton Fertilizer..... | 11.00 | 1.90 | ..... | 20.80 |
| Superior Brand Cotton Special Fertilizer..... | 8.00 | 1.70 | 3.00 | 20.00 |
| Superior Brand Vegetable Fertilizer..... | 8.50 | 3.50 | ..... | 24.20 |
| San Augustine Fertilizer Co., San Augustine, Texas— | | | | |
| Augustine Acid Phosphate..... | 14.00 | ..... | ..... | 16.80 |
| Augustine Cotton Fertilizer..... | 10.00 | 1.65 | 1.00 | 19.80 |

Table II—Registration of Commercial Fertilizers, Season of 1912-1913.

| Manufacturer, Place of Business and Brand. | Phosphoric Acid— Available Per Cent. | Nitrogen—Per Cent. | Potash—Per Cent. | Valuation. |
|---|--|-----------------------|---------------------|------------|
| San Augustine Fertilizer Co., San Augustine, Texas—cont'd. | | | | |
| Augustine Acid Phosphate..... | 16.00 | ..... | ..... | 19.20 |
| Augustine High Grade..... | 10.00 | 1.65 | 2.00 | 21.00 |
| Augustine Phosphate and Potash..... | 10.00 | ..... | 4.00 | 16.80 |
| Augustine Standard Grade..... | 8.00 | 2.06 | 1.50 | 19.64 |
| Augustine Vegetable Special..... | 6.00 | 2.47 | 5.00 | 23.08 |
| Parker's Best..... | 11.00 | 2.80 | ..... | 24.40 |
| The Southern Cotton Oil Co., Little Rock, Ark.— | | | | |
| Brer Rabbit High Grade..... | 10.00 | 1.65 | 2.00 | 21.00 |
| SCO-CO. Corn Special..... | 10.00 | 1.65 | 1.50 | 20.40 |
| SCO-CO. Cotton Hustler..... | 8.00 | 1.65 | 2.00 | 18.60 |
| SCO-CO. Fruit Grower..... | 8.00 | 2.47 | 5.00 | 25.48 |
| SCO-CO. High Grade Acid Phosphate..... | 14.00 | ..... | ..... | 16.80 |
| SCO-CO. Money Maker..... | 10.00 | 1.65 | 1.00 | 19.80 |
| SCO-CO. Superior Acid Phosphate..... | 16.00 | ..... | ..... | 19.20 |
| SCO-CO. Truck Grower..... | 8.00 | 2.07 | 6.00 | 25.08 |
| SCO-CO. Vegetable Fertilizer..... | 8.00 | 2.47 | 4.00 | 24.28 |
| Standard Guano and Chemical Mfg. Co., New Orleans, La.— | | | | |
| Acid Phosphate..... | 16.00 | ..... | ..... | 19.20 |
| Acid Phosphate and Potash..... | 10.00 | ..... | 4.00 | 16.80 |
| Farmer's Choice Fertilizer..... | 9.50 | 1.65 | 1.50 | 19.80 |
| High Grade Sugar..... | 10.00 | 2.50 | ..... | 24.40 |
| Kainit..... | ..... | ..... | 12.00 | 14.40 |
| McCall Formula..... | 5.00 | 3.85 | 1.50 | 23.20 |
| Mississippi Home Guano..... | 9.50 | 1.65 | 1.50 | 19.80 |
| Muriate of Potash..... | ..... | ..... | 45.00 | 54.00 |
| Nitrate of Soda..... | ..... | 15.00 | ..... | 60.00 |
| Pure Raw Ground Bone..... | *18.50 | 2.50 | ..... | 24.30 |
| Pure Animal Bone Vegetable Fertilizer..... | 6.00 | 2.50 | 5.00 | 23.20 |
| Sulphate of Potash..... | ..... | ..... | 47.00 | 56.40 |
| Standard Acid Phosphate..... | 12.00 | ..... | ..... | 14.40 |
| Standard Ammoniated Soluble Guano..... | 9.50 | 1.65 | 1.50 | 19.80 |
| Standard Blood, Bone and Meat Fertilizer..... | 9.50 | 1.65 | 1.50 | 19.80 |
| Standard High Grade Truck Grower..... | 8.00 | 3.50 | 7.00 | 32.00 |
| Standard Raw Bone Rice Fertilizer..... | 9.50 | 1.65 | 1.50 | 19.80 |
| Stern's Acid Phosphate and Potash..... | 10.00 | ..... | 2.00 | 14.40 |
| Stern's Acid Phosphate..... | 14.00 | ..... | ..... | 16.80 |
| Stern's Ammoniated Raw Bone Superphosphate..... | 9.50 | 1.65 | 1.50 | 19.80 |
| Stern's High Grade Acid Phosphate and Potash..... | 12.00 | ..... | 2.00 | 16.80 |
| Stern's High Grade Ammoniated Raw Bone Superphosphate..... | 10.00 | 1.65 | 2.00 | 21.00 |
| Strawberry Pusher..... | 6.00 | 2.50 | 5.00 | 23.20 |
| Swift & Co., Chicago, Ill., and Fort Worth, Texas— | | | | |
| Swift's Champion Vegetable Grower..... | 8.00 | 3.29 | 3.00 | 26.36 |
| Swift's Diamond "D" Fertilizer..... | 10.00 | 1.65 | 1.00 | 19.80 |
| Swift's Diamond "T" Fertilizer..... | 7.00 | 3.70 | 4.00 | 28.00 |
| Swift's Diamond "O" Fertilizer..... | 10.00 | 3.29 | 6.00 | 32.36 |
| Swift's Diamond "P" Fertilizer..... | 8.00 | 3.29 | 8.00 | 32.36 |
| Swift's Diamond "X" Fertilizer..... | 3.00 | 4.94 | 6.00 | 30.56 |
| Diamond "W" Fertilizer..... | 10.00 | 3.29 | 8.00 | 34.76 |
| Swift's Diamond "S" Top Dresser..... | 4.00 | 4.11 | 3.00 | 24.84 |
| Swift's East Texas Trucker..... | 8.00 | 2.47 | 3.00 | 23.04 |
| Swift's Garden City Phosphate..... | 14.00 | ..... | ..... | 16.80 |
| Swift's High Grade Acid Phosphate..... | 16.00 | ..... | ..... | 19.20 |
| Swift's High Grade Phosphate and Potash..... | 10.00 | ..... | 4.00 | 16.80 |
| Swift's Muriate of Potash..... | ..... | ..... | 50.00 | 60.00 |
| Swift's Nitrate of Soda..... | ..... | 15.65 | ..... | 62.60 |
| Swift's Pure Bone Meal..... | *24.00 | 2.47 | ..... | 27.59 |
| Swift's Pure Special Bone Meal..... | *29.00 | .82 | ..... | 26.32 |
| Swift's Rice Grower..... | 12.00 | ..... | 2.00 | 16.80 |
| Swift's Special Grain Fertilizer..... | 10.00 | 1.65 | 2.00 | 21.00 |
| Swift's Special Phosphate and Potash..... | 10.00 | ..... | 2.00 | 14.40 |
| Swift's Special Vegetable Fertilizer..... | 8.00 | 2.05 | 6.00 | 25.00 |
| Swift's Superphosphate (Potash Ammoniated)..... | 8.00 | 1.65 | 2.00 | 18.60 |
| Swift's Tankage Formula..... | *6.87 | 7.41 | ..... | 33.65 |
| Texas Fertilizer Co., Marshall, Texas— | | | | |
| Standard Cotton and Corn Special..... | 10.00 | 1.65 | 1.00 | 19.80 |
| Tipton, Griffin & Tipton, Troup, Texas— | | | | |
| Smith-Cherokee Acid Phosphate..... | 16.00 | ..... | ..... | 19.20 |

*Total.

Table II—Registration of Commercial Fertilizers, Season of 1912-1913.

| Manufacturer, Place of Business and Brand. | Phosphoric Acid— Available Per Cent. | Nitrogen—Per Cent. | Potash—Per Cent. | Valuation. |
|---|--|-----------------------|---------------------|------------|
| Trinity County Lumber Co., Groveton, Texas— | | | | |
| 16 Per Cent Acid Phosphate..... | 16.00 | ..... | ..... | 19.20 |
| Tuscarora Fertilizer Co., New Orleans, La., and Fort Worth, Texas— | | | | |
| Tuscarora Bone and Potash..... | 10.00 | ..... | 2.00 | 16.80 |
| Tuscarora 14 Per Cent Acid Phosphate..... | 14.00 | ..... | ..... | 16.80 |
| Tuscarora Cotton Special..... | 8.00 | 1.65 | 2.00 | 18.60 |
| Tuscarora Monarch..... | 9.00 | 2.47 | 3.00 | 24.28 |
| Tuscarora Onion King No. 1..... | 8.00 | 3.29 | 8.00 | 32.36 |
| Tuscarora Onion King No. 2..... | 8.00 | 2.47 | 4.00 | 24.28 |
| Tuscarora Onion King No. 3..... | 6.00 | 3.29 | 6.00 | 27.56 |
| Tuscarora Plantation Trucker..... | 10.00 | 1.65 | 6.00 | 25.80 |
| Tuscarora Raw Bone Meal..... | *22.00 | 3.70 | ..... | 31.66 |
| Tuscarora 16 Per Cent Acid Phosphate..... | 16.00 | ..... | ..... | 19.20 |
| Tuscarora Vegetable Special..... | 8.00 | 3.29 | 7.00 | 31.16 |
| United Oil Mills, Hope, Ark.— | | | | |
| Hope Standard..... | 10.00 | 1.65 | 1.00 | 19.80 |
| Our Corn Grower..... | 9.00 | 1.65 | 3.00 | 21.00 |
| Our Cotton Grower..... | 10.00 | 1.65 | 2.00 | 21.00 |
| Our Cottonseed Meal Fertilizer..... | ..... | 6.59 | ..... | 26.36 |
| Our Potato Grower..... | 7.00 | 1.65 | 10.00 | 27.00 |
| Our Truck Grower..... | 10.00 | 3.30 | 3.00 | 28.80 |
| 14 Per Cent Stork Brand Acid Phosphate..... | 14.00 | ..... | ..... | 16.80 |
| Stork Brand Kainit..... | ..... | ..... | 12.00 | 14.40 |
| Stork Brand Muriate of Potash..... | ..... | ..... | 48.00 | 57.60 |
| Stork Brand Nitrate of Soda..... | ..... | 15.00 | ..... | 60.00 |
| Stork Brand 16 Per Cent Acid Phosphate..... | 16.00 | ..... | ..... | 19.20 |
| Stork Brand Sulphate of Potash..... | ..... | ..... | 48.00 | 57.60 |
| Virginia-Carolina Chemical Co., Shreveport, La.— | | | | |
| BBB Beef, Blood and Bone..... | 10.00 | 1.65 | 1.00 | 19.80 |
| Eureka Complete Fertilizer..... | 10.00 | 1.65 | 4.00 | 23.40 |
| German Kainit (Imported)..... | ..... | ..... | 12.00 | 14.40 |
| Georgia State Grange..... | 10.00 | 1.65 | 1.00 | 19.80 |
| Mobile Double Eagle Guano..... | 10.00 | 1.65 | 1.50 | 20.40 |
| Mobile Raw Bone Ammoniated Superphosphate..... | 10.00 | 1.65 | 1.50 | 20.40 |
| Muriate of Potash..... | ..... | ..... | 48.00 | 57.60 |
| Nitrate of Soda..... | ..... | 14.80 | ..... | 59.20 |
| Royal Blood, Bone and Potash..... | 10.00 | 1.65 | 1.50 | 20.40 |
| Royal Cotton Boll Guano..... | 8.00 | 1.65 | 2.00 | 18.60 |
| Royal Compound..... | 10.00 | ..... | 2.00 | 14.40 |
| Royal Fruit Grower..... | 8.00 | 2.47 | 5.00 | 25.48 |
| Royal High Grade Guano..... | 10.00 | 1.65 | 2.00 | 21.00 |
| Royal Potash Compound..... | 10.00 | ..... | 4.00 | 16.80 |
| Royal Tomato Formula..... | 10.00 | 2.47 | 1.00 | 23.08 |
| Royal Vegetable Fertilizer..... | 8.00 | 2.47 | 4.00 | 24.28 |
| Sulphate of Potash..... | ..... | ..... | 48.00 | 57.60 |
| Scott's Gossypium Phospho..... | 10.00 | 1.65 | 1.50 | 20.40 |
| Scott's Gossypium Phospho Special..... | 10.00 | 1.65 | 2.00 | 21.00 |
| Scott's High Grade Acid Phosphate..... | 14.00 | ..... | ..... | 16.80 |
| Scott's Potasso Phospho..... | 12.00 | ..... | 2.00 | 16.80 |
| Scott's State Standard Guano..... | 8.00 | 1.65 | 2.00 | 18.60 |
| Tip Top Nitrogen Compound..... | 2.00 | 13.15 | ..... | 55.00 |
| V. C. C. Co's 16 Per Cent Acid Phosphate..... | 16.00 | ..... | ..... | 19.20 |
| V. C. C. Co's Truck Grower..... | 8.00 | 2.06 | 6.00 | 25.04 |
| V. C. High Grade Champion Compound..... | 9.00 | 3.00 | 3.00 | 26.40 |
| V. C. High Grade Dixie Special..... | 7.00 | 3.00 | 1.00 | 21.60 |
| V. C. High Grade Guano..... | 10.00 | 1.65 | 2.00 | 21.00 |
| V. C. High Grade Top Dresser..... | 4.00 | 6.18 | 2.50 | 32.48 |
| V. C. High Grade Potash Compound..... | 12.00 | ..... | 4.00 | 19.20 |
| V. C. High Grade XXX Special..... | 8.00 | 2.47 | 1.00 | 20.68 |
| V. C. Rice Special..... | 10.00 | 1.65 | 2.00 | 21.00 |
| V. C. Tomato Special..... | 10.00 | 2.47 | 1.50 | 23.68 |
| V. 3C Fruit and Truck Special..... | 6.00 | 3.30 | 8.00 | 30.00 |
| J. S. Williams Fertilizer Co., Paris, Texas— | | | | |
| Black Land Fertilizer..... | 10.50 | ..... | 3.00 | 16.20 |
| Grass Lawn Fertilizer..... | 9.00 | 3.00 | ..... | 22.80 |
| Truck and Garden Fertilizer..... | 10.00 | 2.00 | 2.00 | 22.40 |
| Williams Ranch Acid Phosphate..... | 14.00 | ..... | ..... | 16.80 |

*Total.

Table II—Registration of Commercial Fertilizers, Season of 1912-1913.

| Manufacturer, Place of Business and Brand. | Phosphoric Acid— Available Per Cent. | Nitrogen—Per Cent. | Potash—Per Cent. | Valuation. |
|---|--|-----------------------|---------------------|------------|
| J. S. Williams Fertilizer Co., Paris, Texas—continued. | | | | |
| Williams Ranch Cotton Fertilizer | 10.50 | 1.65 | ..... | 19.20 |
| Williams Ranch Fertilizer | 10.50 | 2.00 | ..... | 20.60 |
| Williams Ranch Muriate of Potash ..... | ..... | ..... | 50.00 | 60.00 |
| Williams Ranch Nitrate of Soda ..... | ..... | 15.00 | ..... | 60.00 |
| The Wortham Cotton Oil Co., Wortham, Texas— | | | | |
| Cottonseed Meal Fertilizer | 2.00 | 7.00 | 1.40 | 32.08 |
| Geo. A. Wright, Palestine, Texas— | | | | |
| Wright's Acid Phosphate | 14.00 | ..... | ..... | 16.80 |
| Fertilizer Cottonseed Meal | 1.50 | 6.00 | 1.50 | 27.60 |
| Wright's Corn Fertilizer | 8.00 | 3.50 | 2.00 | 26.00 |
| Wright's Cotton Fertilizer | 8.00 | 2.00 | 2.00 | 20.00 |
| Wright's Vegetable Fertilizer | 6.00 | 3.50 | 3.50 | 25.40 |